Federal Operating Permit Number: 08700587

For: YERMO ANNEX

Facility: MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA

Issued Pursuant to MDAQMD Regulation XII
Effective Date: July 08, 2002

This Federal Operating Permit Expires
May July 08, 2007

Issued By: Charles L. Fryxell
Air Pollution Control Officer

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PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name:	United States Marine Corps
Owner Mailing Address:	COMMANDING OFFICER Attn: S. Knutson ENVIRONMENTAL Box 110570 Barstow, CA. 92311-5050
Facility Name:	USMC Yermo Annex
Facility Location:	USMC Logistics Base, Barstow CA
MDAQMD Federal Operating Permit Number:	08700587
MDAQMD Company Number:	0087
MDAQMD Facility Number:	00587
Responsible Official: Title: Phone Number:	I. E. BERGMAN, Colonel USMC Commanding Officer (760) 577-6555
Facility "Site" Contacts: Title: Phone Number:	Ms. Suzy Knutson MCLB Air Compliance Program Manager 760-577-6413
Nature of Business:	National Security
SIC Code:	9711
Facility Location:	Barstow, California

B. EQUIPMENT DESCRIPTION:

LISTED AS: MDAQMD PERMIT # / EQUIPMENT DESCRIPTION
(Detailed Equipment Description and Permit Conditions Listed in Part III)

A000951	ABRASIVE BLAST BOOTH
A000952	ABRASIVE BLAST BOOTH
A003088	ABRASIVE BLASTING
A003915	ABRASIVE BLASTING SYSTEM
A003916	ABRASIVE BLASTING SYSTEM
A003917	ABRASIVE BLASTING SYSTEM
A003959	ABRASIVE BLASTING SYSTEM
A004411	ABRASIVE BLASTING CABINET
A004412	ABRASIVE BLASTING CABINET
A005014	ABRASIVE BLASTER, ROTARY
A005015	ABRASIVE BLASTER ROTARY
A005113	ABRASIVE BLAST BOOTH
B000935	BOILER
B000936	BOILER
B000937	BOILER
B002867	PAINT DRYING OVEN
B002868	CURING OVEN
B002870	PAINT DRYING OVEN

B002875	PAINT DRYING OVEN
B003969	DYNAMOMETER TEST STAND FOR PAXMAN IC ENGINE DETERMINATIONS
B004194	VEHICLE UNDERCOATING RACK
B004397	DYNAMOMETER
B004398	DYNAMOMETER
B004399	DYNAMOMETER
B004400	DYNAMOMETER
B004401	DYNAMOMETER
B004402	DYNAMOMETER
B004403	DYNAMOMETER
B004496	AIR STRIPPER
B004499	OIL-WATER SEPERATOR
B004500	OIL-WATER SEPARATOR
B004753	VEHICLE UNDERCOATING RACK
B005016	AIR COMPRESSOR
B005017	AIR COMPRESSOR
C003089	FABRIC DUST COLLECTOR
C003244	FABRIC DUST COLLECTOR
C003245	FABRIC DUST COLLECTOR
C003246	FABRIC DUST COLLECTOR

C003247	FABRIC DUST COLLECTOR
C003961	DUST COLLECTOR
C003962	DUST COLLECTOR
C003963	DUST COLLECTOR
C003964	DUST COLLECTOR
C004497	THERMAL OXIDIZER
C004498	CAUSTIC SCRUBBER
C004561	AIR POLLUTION CONTROL SYSTEM
C005008	HEPA VAC
C005009	HEPA VAC
C005010	HEPA VAC
C005011	HEPA VAC
C005012	HEPA VAC
C005090	ADVANCED OXIDATION PROCESS (AOP) MODULE AND AIR STRIPPER
D005319	SOLVENT VAPOR DEGREASER
E003960	EMERGENCY INTERNAL CUMBUSTION ENGINE
E004391	EMERGENCY INTERNAL CUMBUSTION ENGINE
E004501	EMERGENCY INTERNAL COMBUSTION ENGINE
P002871	FIRST PAINT AREA (OUTSIDE)
P002876	STENCIL AND TOUCH-UP AREA
P002877	STENCIL AND TOUCH-UP AREA

P002878	STENCIL AND TOUCH-UP AREA
S002869	PAINT SPRAY BOOTH
S002872	PIANT SPRAY BOOTH
S002873	PAINT SPRAY BOOTH
S004558	PAINT SPRAY BOOTH
S004559	PAINT SPRAY BOOTH
S004560	PAINT SPRAY BOOTH
T003092	DIP TANK
T003093	DIP TANK
T003095	DIP TANK
T003374	DIP TANK
T003376	DIP TANK
T003377	DIP TANK
T003378	DIP TANK
T003379	DIP TANKS
T003861	GASOLINE STORAGE TANK
T003926	INDUSTRIAL WASTE WATER TANK
T003927	INDUSTRIAL WASTE WATER TANK
T003929	INDUSTRIAL WASTE WATER TANK
T004671	DIP TANK

T005118 UNDERGROUND STORAGE TANK

T005251 PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK

T005252 PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK

T005253 PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK

T005254 PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK

The air permits associated with the below Authorities to Construct S008392 and C008397 have been processed and are being issued: (see Preliminary Decision was sent under separate cover, dated May 20, 2002. These Authorities to Construct will be issued on or about June 28, 2002)

S008392 PAINT AND UNDERCOAT FACILITY SPRAY BOOTH PERMIT CONDITIONS, DESCRIBED AS FOLLOWS; MDAQMD PERMIT # S008392: Spray Booth Permit to Operate Conditions; Spray Booth with Curing Oven Permit to Operate Conditions.

C008397 REGENERATIVE THERMAL OXIDIZER PERMIT CONDITIONS, DESCRIBED AS FOLLOWS; MDAQMD PERMIT # C008397: Regenerative Thermal Oxidizer Permit to Operate Conditions.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[**SIP Pending:** Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.

[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees;* Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits;* Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
    a. While any unit is fired on Public Utilities Commission grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount and suppliers certification information.
    b. While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
        i. Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation a visible emissions inspection is required every three (3) months.
        ii. Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
        iii. Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.
        iv. On any of the above, if a visible emissions inspection documents opacity, an EPA Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

    [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
    [Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
    [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

14. Owner/Operator is limited to use of the following quality fuels for fuel types specified

elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 ppm calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

15. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]

17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
    (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
    (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
    (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
    [Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

18. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
    (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
    (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO_2), greater than or equal to 500 ppm by volume.
[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]

20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
    (a) The provisions of this condition shall not apply to emissions from internal combustion engines.
[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
    (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.
[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
Reference Section III A(1)

23. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the

District establishing such emission limitation, provided that a Breakdown has occurred and:

(a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and

(b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and

(c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.

(d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.

(e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

[**SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

24. The provisions of Regulation IV except Rule 402 shall not apply to experimental research operations when the following requirements are met:

(a) the purpose of the operation is to permit investigation, experiment or research to advance the state of knowledge or the state of the art; and

(b) the APCO has given written prior approval which shall include limitation of time.

[**SIP: Not SIP: Rule 441 –** *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]

25. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:

(a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.

(b) Organic materials emitted into the atmosphere from the use of photo-chemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.

(c) Organic materials emitted into the atmosphere from the use of non-photo-chemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed

272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.

(d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.

(e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

26. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered "open outdoor fires" for the purposes of Rule 444 (reference Rule 444(B)(10)).
[Rule 444 – Open Outdoor Fires, Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) and 40 CFR 52.273 (6)(12)(i)]

27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:

(a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.

(b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.

(c) <u>Cold Solvent Degreasers - Freeboard Requirements:</u>

(i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.

(ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.

(iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50^{o}C (120^{o}F) shall operate with a freeboard ratio equal to or greater than 0.75.

(iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.

(d) <u>Cold Solvent Degreasers - Cover Requirements:</u>

(i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.

(e) Cold Solvent Degreasers - Solvent Level Identification:

(ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

(f) All Degreasers shall comply with the following operating requirements:

(i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.

(ii) Degreasers shall not be operating with any detectable solvent leaks.

(iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.

(iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.

(v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.

(vi) Solvent carry-out shall be minimized by the following methods:

a) Rack workload arranged to promote complete drainage

b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.

c) Retain the workload inside of the vapor zone until condensation ceases.

d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.

e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)

(vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.

(viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.

(ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.

(x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.

(xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.

(xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.

(xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.

(g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.

(h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:

(1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:

(i) product name(s) used in the degreaser, and

(ii) the mix ratio of solvent compounds mixtures of solvents are used, and

(iii) VOC content of solvent or mixture of compounds as used, and

(iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and

(v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.

(2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

(3) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.

(4) Records shall be retained (at facility) and available for inspection by District, State or Federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit (Reference Rule 1203(D)(1)(d)(ii)).

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

28. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

Table of Standards

COATING:	VOC (g/l)
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400
Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350

Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

29. **Rule 1114; Wood Products Coating Operations:**

(C) Requirements

(1) VOC Content of Coatings & Adhesives

(a) Any owners and/or operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or lb/gal) is in compliance with this subsection.

(i) LIMITS

Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

		On and After 7/1/97		**On and After 7/1/2005**
Coating	**Current Limit** g/L (lb/gal)	**Column I or** g/L (lb/gal)	**Column II** g/L (lb/gal)	g/L (lb/gal)
Clear Sealers	680 (5.7)	550 (4.6)	680 (5.7)	275 (2.3)
Clear Topcoat	680 (5.7)	550 (4.6)	275 (2.3)	275 (2.3)
Pigmented Primers, Sealers and	600 (5.0)	550 (4.6)	600 (5.0)	275 (2.3)

		On and After 7/1/97		On and After 7/1/2005
Undercoats				
Pigmented Topcoats	600 (5.0)	550 (4.6)	275 (2.3)	275 (2.3)

Effective July 1, 1997, a person or facility shall use Coatings on Wood Products that comply with either all VOC Content limits in Column I or all VOC Content limits in Column II. A person or facility that applies a Pigmented Primer, Sealer or Undercoat, but not a Clear Topcoat or Pigmented Topcoat, to a Wood Product shall be subject to column I for that product.

(ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply with the VOC Content limits specified below for that Shutter:

LIMITS
Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating	g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	680 (5.7)
Pigmented Primers, Sealers & Undercoats	275 (2.3)
Pigmented Topcoats	600 (5.0)

(iii) LIMITS
Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating	**Current Limit** g/L (lb/gal)	**On and After 7/1/97** g/L (lb/gal)	**On and After 7/1/2005** g/L (lb/gal)
Fillers	500 (4.2)	500 (4.2)	275 (2.3)

		On and After 7/1/97	**On and After 7/1/2005**
High-Solid Stains	700 (5.8)	550 (4.6)	350 (2.9)
Inks	500 (4.2)	500 (4.2)	500 (4.2)
Mold-Seal Coatings	750 (6.3)	750 (6.3)	750 (6.3)
Multi-Colored Coatings	685 (5.7)	685 (5.7)	275 (2.3)
Low-Solids Stains, Toners and Washcoats	800 (6.7)	480 (4.0)	120 (1.0)
Adhesives	250 (2.1)	250 (2.1)	250 (2.1)

(2) Transfer Efficiency

(a) A person or facility shall not apply Coatings to Wood Products subject to the provisions of this rule unless the Coating is applied with properly operating equipment, according to manufacturer's suggested guidelines, and by the use of one of the following methods:

(i) Flow Coat, or
(ii) Dip Coat, or
(iii) High-Volume Low-Pressure (HVLP) spray, or
(iv) Paint brush, or
(v) Hand roller, or
(vi) Roll Coater, or
(vii) Such other Coating application methods as are demonstrated to the Air Pollution Control Officer to be capable of achieving at least 65 percent Transfer Efficiency and for which written approval of the Air Pollution Control Officer has been obtained.

(3) Clean-up Solvent and Equipment Cleaning

(a) The requirements of this Section shall apply to any person using solvent for surface preparation and cleanup.

(i) A person shall not use an organic compound for surface preparation, except Strippers, with a VOC Content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon).
(ii) A person shall not use a Stripper on Wood Products unless it contains less than 350 grams of VOC per liter of material.

(iii) A person shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
(iv) A person shall store fresh or spent solvent in closed containers.
(v) A person shall not use organic compounds for the cleanup of spray equipment including paint lines unless equipment for collecting the cleaning compounds and minimizing their evaporation to the atmosphere is used.

(4) Prohibition of Specifications

(a) Any person shall not specify the use in the District of any Coating to be applied to any Wood Products subject to the provisions of this rule that does not meet the limits and requirements of this rule. The requirements of this paragraph shall apply to all written or oral contracts.

(5) Compliance Statement Requirement

(a) The manufacturer of Coatings subject to this rule shall include a statement of VOC Content as supplied on data sheets; including Coating components, expressed in grams per liter or pounds per gallon, excluding water and exempt solvents.

(D) Exemptions

(1) The provisions of subsections (C)(1)(a) and (C)(2)(a) of this rule shall not apply to:

(a) The use of Aerosol Coating Products.

(b) Facilities whose Rate Per Day of Coating use is less than one gallon, including any VOC-containing materials added to the original Coating as supplied by the manufacturer. Only Coatings subject to this rule shall be included in the calculation of Rate Per Day., or; Coating Application Operations that emit not more than 3 pounds of VOCs per day and not more than 200 pounds of VOCs per calendar year.
(c) Laminating of fiberglass, metal, or plastic sheets to wood Panels.

(d) The application of Coatings to musical instruments.

(e) The application of Coatings to billiard tables.

(2) The July 1, 1997 limits which are set forth in subsection (C)(1)(a) shall not apply to:

(a) Wood Products Coating Application Operations which emit not more than 3 pounds of VOC per hour, before the use of air pollution abatement equipment; **or**

(b) Wood Products Coating Application Operations which emit not more than 15 pounds of VOC per day, before the use of air pollution abatement equipment; **or**

(c) Facilities that do not exceed 10 tons per year Theoretical Potential Emissions.

(3) The provisions of subsection (C)(1)(a) shall not apply to any Refinishing operations necessary for preservation, to return the Wood Product to original condition, to replace missing furniture to produce a matching set, or to produce Custom Replica Furniture.

(4) The provisions of subsection (C)(1)(a) shall not apply to Touch-up and Repair Coatings or Stencil Coatings.

(5) For the purposes of claiming an exemption pursuant to subsections (D)(2)(a) or (D)(2)(b), hourly or daily emissions shall be considered from January 1, 1996 forward.

(6) Once a facility exceeds 3 pounds of VOC per hour, or 15 pounds of VOC per day, respectively, it will remain subject to the July 1, 1997 limits even if its emissions later fall below the applicability threshold.

(7) Notwithstanding the provisions of subsection (C)(2)(a), a person or facility may use:

(a) Any spray equipment that uses only Coatings that comply with the July 1, 2005 VOC Content limits; or

(b) Any spray equipment, except Conventional Air Spray, that uses only Coatings that contain 550 g/L, or less, of VOC Content.

(8) Any facility classified as exempt or claiming to be exempt under this section (D),

shall meet the record keeping requirements of this rule so as to be able to certify the exemption status.

(E) Administrative Requirements

(1) Rule 442 Applicability

(a) Any coating, coating operation, or facility which is exempt from all or a portion of the VOC Content limits of this rule shall comply with the provisions of Rule 442 unless compliance with the limits specified in this rule are achieved.

(F) Monitoring and Records

(1) Coating Records

(a) Any person subject to Sections (C)(1)(a), (C)(3)(a), (D)(1)(b) or (D)(2) shall comply with the following requirements:

(i) The person shall maintain and have available during an inspection, a current list of Coatings in use which provides all of the Coating data necessary to evaluate compliance, including the following information, as applicable:
1. Coating, catalyst, and reducer used.
2. mix ratio of components used.
3. VOC Content of Coating as applied.

(ii) The person shall maintain records on a daily basis including:
1. Coating and mix ratio of components used in the Coating; and
2. quantity of each Coating applied.

(iii) The person shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.

(b) Notwithstanding the provisions of subsection (F)(1)(a), a person or facility which exclusively uses Coatings formulations compliant with subsection (C)(1)(a) may maintain usage records on a monthly basis.

(2) Compliance Assurance Monitoring

(a) Each Coating Application Operation subject to subparagraph (C)(1)(a) which is using air pollution abatement equipment to meet the control requirement shall:

(i) utilize Compliance Assurance Monitoring, as approved by the APCO. Each monitoring device(s), mechanism and/or technique shall be calibrated/maintained in a manner approved by the APCO; and

(ii) maintain and produce daily records of key system operating parameters and maintenance procedures which will demonstrate continuous operation and compliance of the air pollution abatement equipment during periods of emissions-producing activities. Key system operating parameters are those necessary to ensure compliance with VOC content of coating requirements, such as temperatures, pressures and flow rates.

(b) Compliance with subsection (C)(1)(a) shall be determined by compliance testing as prescribed in subsections (G)(2)(b) and (c) and/or by evaluating Compliance Assurance Monitoring data.

(3) All records for the previous five year period maintained and produced pursuant to this Section shall be retained and available for inspection by the APCO upon request.

(G) Test Methods

(1) A violation of the limits contained in this Rule as determined by any one of these test methods shall constitute a violation of this Rule.

(2) The following specified test methods shall be used to determine compliance with the provisions of this Rule.

(a) Determination of VOC Content and solids content: Samples of Coatings and solvent as specified in Section (C)(1)(a) shall be analyzed as prescribed by EPA Reference Method 24 for VOC Content and solids content (without correction for Exempt Compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of Exempt Compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a test method acceptable to EPA and ARB which can be used to quantify the specific compounds.

(b) Determination of Emissions: For any owners and/or operators who choose to comply with the provisions of Section (C)(1)(a) through the use of air pollution abatement equipment, emissions of VOCs shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.

(c) Determination of Overall Control Efficiency: The Overall Control Efficiency of air pollution abatement equipment shall be determined by a minimum of three sampling runs conducted according to USEPA's technical guidance document "Guidelines for Determining Capture Efficiency", January 9, 1995.

(3) The following test method is recommended for use in determining Transfer Efficiency of alternative application methods: Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(2)(a) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (May 24, 1989).

[Rule 1114 - Wood Products Coating Operations; Version in SIP = Current, Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]

30. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:
(a) Electrostatic attraction.

(b) High Volume Low Pressure (HVLP) spray equipment.
(c) Dip coat.
(d) Hand Application Methods.
(e) Other coating application methods as are demonstrated to have a Transfer Efficiency at last equal to one of the above methods, and which are used in such a manner that the parameters under which they are tested are permanent features of the method. Prior to their use, such coating applications shall be approved in writing by the APCO.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

Coating	Air Dried		Baked	
	g/L	(lb/gal)	g/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)

Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

32. The provisions of Rule 1115(C)(1), shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

33. The provisions of Rule; 1115(C)(1); (C)(2); and (C)(3), shall not apply to:
(a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
(b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
(c) Stencil coatings.
(d) Safety-indicating coatings.
(e) Magnetic data storage disk coatings.
(f) Solid-film lubricants.
(g) Adhesives.
(h) The coating of motor vehicle bodies at motor vehicle rework facilities.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

34. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

35. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

36. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:
    (a) (i) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
    (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
    (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20 deg C (68 deg F).
    (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
    (c) Owner/Operator shall store fresh or spent solvent in closed containers.
    (d) Owner/Operator shall not VOC-containing materials for the cleanup of application equipment used in coating operations, unless such material is collected in a closed container when not in use; and
        a. The application equipment is disassembled and cleaned in an enclosed system during the washing, rinsing, and draining processes; or
        b. The application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning material is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
        c. Other application equipment cleaning methods that are demonstrated to be as effective as the equipment described above in minimizing emissions of VOC to the atmosphere are used, provided that the device has been approved in writing prior to use by the APCD.

    [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

37. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.
    [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

38. Owner/Operator subject to Rule 1115 (F)(1)(b) shall comply with the following requirements:
    (a) The person shall maintain and produce a current list of coatings in use which

provides all of the coating data necessary to evaluate compliance, including, but not limited to, the following information, as applicable:

1. coating, catalyst, and reducer used.
2. mix ratio of components used.
3. VOC content of coating as applied.
4. quantity of Group II exempt compounds used.

(b) The person shall maintain and produce records on a daily basis, by permit unit, including:

1. coating and mix ratio of components used in the coating; and
2. quantity of each coating applied.

(c) The person shall maintain and produce records on a daily basis showing the type and amount of solvent used for cleanup, Surface Preparation, or paint removal.

(d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit (Reference Rule 1203(D)(1)(d)(ii)).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

39. Compliance with the limits of Rule 1115(C)(2) may be demonstrated by obtaining, and maintaining records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein, or by analysis, by an independent testing laboratory.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[*40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements*]

40. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

41. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions required by Rule 1115(G):

(a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual

compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.

(b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.

(c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.

(d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).

(e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.

(f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".

(g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).

(h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.

(i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.

(j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.

(k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

42. Any person who applies Coatings to Group I Vehicles (Buses and Mobile Equipment), Group II Vehicles (Passenger cars, Large/Heavy Duty Truck cabs and chassis, Light and Medium Duty Trucks and Vans, and motorcycles), or their parts and components, shall comply with subsections (a) or (b) below:

(a) Group I Vehicles and Mobile Equipment
Any person shall not Finish or refinish Group I Vehicles and Mobile Equipment or their parts and components where Color Match is not required, using any Coating with a VOC content in excess of the following limits, expressed as Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds, as applied, unless emissions of VOC to the atmosphere are controlled by air pollution abatement equipment with combined capture efficiency and control efficiency of the abatement device of at least 85 percent, and which as been approved in writing by the Air Pollution Control Officer:

	VOC limits
Pretreatment Wash Primer	780 g/L (6.5 lbs/gal)
Primer	250 g/L (2.1 lbs/gal)
Primer Sealer	250 g/L (2.1 lbs/gal)
Topcoat	340 g/L (2.8 lbs/gal)
Metallic Topcoat	420 g/L (3.5 lbs/gal)
Extreme Performance	420 g/L (3.5 lbs/gal)

(b) Any person shall not refinish Group II Vehicles (Passenger cars, Large/Heavy Duty Truck cabs and chassis, Light and Medium Duty Trucks and Vans, and motorcycles), their parts and components, or Group I Vehicles and Mobile Equipment where Color Match is required, using any Coating with a VOC content in excess of the following limits, expressed as Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds, as applied, unless emissions of VOC to the atmosphere are controlled by air pollution abatement equipment with a combined capture efficiency and control efficiency of the abatement device of at least 85 percent, and which has been approved in writing by the Air Pollution Control Officer:

	VOC limits
Pretreatment Wash Primer	780 g/L (6.5 lbs/gal)
Primer/Primer Surfacer	250 g/L (2.1 lbs/gal)
Primer Sealer	340 g/L (2.8 lbs/gal)
Topcoat	420 g/L (3.5 lbs/gal)
Metallic Topcoat	420 g/L (3.5 lbs/gal)
Multi-Stage Topcoat System	420 g/L (3.5 lbs/gal)

(a) A person shall not apply any coating or specify the use of any coating which, as applied, emits or may emit volatile organic compounds into the atmosphere in excess of the limits shown in the table below. These limits are expressed in Grams of VOC per Liter of Coating Less Water and Exempt Compounds (VOC content):

Coating Type	**VOC Limit**	
	g/l	**lb/gal**
Adhesive		
- Bonding Primer	250	2.1
- Non-structural adhesive	250	2.1
- Structural adhesive, autoclavable	50	0.4
- Structural adhesive, non-autoclavable	700	5.9
CARC	500	4.2
Electric/Radiation Effect	800	6.7
Extreme Performance		
- Coating	420	3.5

Coating Type	VOC Limit	
	g/l	lb/gal
- Interior Topcoat	420	3.5
Fire-Resistant Coating		
- civilian	650	5.4
- military	970	7.7
Fuel Tank Coating	720	6.0
General Coating Product	350	2.9
High Temperature Coating	720	6.0
Interior Topcoat	340	2.8
Maskant for		
- Chemical Processing	600	5.0
- Chemical Milling, Type I Etchant	622	5.2
- Chemical Milling, Type II Etchant	160	1.3
Pretreatment Wash Primer	780	6.6
Primer	350	2.9
Rain Erosion Resistant Coating	600	5.0
Sealant	600	5.0
Sealant Bonding Primer	720	6.0
Self Priming Topcoat	420	3.5
Space Vehicle Coating		
- Electrostatic-Discharge	800	6.7
- Other	1000	8.3
Temporary Protective Coating	250	2.1

Coating Type	VOC Limit	
	g/l	lb/gal
Topcoat	420	3.5
Unicoat	420	3.5
Wing Coating	750	6.3

[Rule 1116- *Automotive Finishing Operation*; [SIP: Approved: 6/13/95, 60 FR 31081, 40 CFR 52.220(c)(216)(i)(A)(1); Approved: 2/20/93, 58 FR 662833, 40 CFR 52.220(c)(188)(I)(B)(1)]

43. Owner/Operator of facility subject to the requirements of Rule 1118 shall comply with the following requirements:
Any person who manufactures or reworks aerospace vehicles by applying or specifying the use of surface coatings for aerospace vehicle parts and products shall comply with the following requirements:
A person shall not apply any coating or specify the use of any coating which, as applied, emits or may emit volatile organic compounds into the atmosphere in excess of the limits shown in the table below. These limits are expressed in Grams of VOC per Liter of Coating Less Water and Exempt Compounds (VOC content):

Coating Type	VOC Limit	
	g/l	lb/gal
Adhesive		
- Bonding Primer	250	2.1
- Non-structural adhesive	250	2.1
- Structural adhesive, autoclavable	50	0.4
- Structural adhesive, non-autoclavable	700	5.9
CARC	500	4.2
Electric/Radiation Effect	800	6.7
Extreme Performance		

Coating Type	VOC Limit	
	g/l	lb/gal
- Coating	420	3.5
- Interior Topcoat	420	3.5
Fire-Resistant Coating		
- civilian	650	5.4
- military	970	7.7
Fuel Tank Coating	720	6.0
General Coating Product	350	2.9
High Temperature Coating	720	6.0
Interior Topcoat	340	2.8
Maskant for		
- Chemical Processing	600	5.0
- Chemical Milling, Type I Etchant	622	5.2
- Chemical Milling, Type II Etchant	160	1.3
Pretreatment Wash Primer	780	6.6
Primer	350	2.9
Rain Erosion Resistant Coating	600	5.0
Sealant	600	5.0
Sealant Bonding Primer	720	6.0
Self Priming Topcoat	420	3.5
Space Vehicle Coating		
- Electrostatic-Discharge	800	6.7
- Other	1000	8.3

Coating Type	VOC Limit	
	g/l	lb/gal
Temporary Protective Coating	250	2.1
Topcoat	420	3.5
Unicoat	420	3.5
Wing Coating	750	6.3

[Rule 1118 - *Aerospace Vehicle Parts and Products Coating Operations;* Version in SIP = Current: Approved: 8/17/98, 63 FR 43884, 40 CFR 52.220(c)(242)(I)(A)(1)]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, State, or Federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record the following for each unit:
   (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill

records.

(b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement is sufficient.

[*40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

4. Condition Limiting HAP Emissions From United States Marine Corps Yermo Annex. HAP emissions from all emission units at the Yermo Annex shall be limited to 24.9 tons per year for a combination of HAP, and 9.9 tons per year for any single HAP. Compliance with these emission limits shall be demonstrated by the emissions inventory required by the MDAQMD.
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

5. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

(a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]

(b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]

2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]

3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]

4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]

5. If Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vi)]

6. Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 1203(F)(1) and Rule 1208. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); Rule 1208]

7. Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]

8. Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA.
[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]

9. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]

10. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2)]

11. Owner/Operator shall submit *Compliance Certifications* to the Mojave Desert Air Quality Management District and to the Administrator - USEPA Region 9 within ninety (90) days of the permit anniversary date.
[Rule 1203 (F)(1)]

12. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
    (a) A narrative description of how the facility will achieve compliance with such requirements; and

(b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and

(c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]
[**SIP Pending: Rule 430** - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

13. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]

14. Owner/Operator shall keep records for a minimum of five (5) years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Any records, data or logs shall be supplied to District, state or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].

15. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]

16. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]

17. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]

18. Owner/Operator shall submit, on a *semi-annual* basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall be submitted no later than 90 days after the midpoint (six months after the Title 5 Permit month & day issue date) between Title 5 Permit anniversary date of any given year, shall be certified to be true, accurate, and complete by a responsible official, and shall include the following information and/or data:
    (a) Summary of deviations from any federally-enforceable requirement in this permit.
    (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
    (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
    (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.
    [Rule 1203 (D)(1)(e)(i); and 1203 (D)(1)(c)(i - iii)]

19. On an **annual** basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 90 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

20. Owner/Operator shall promptly report all deviations from federal operating permit requirements including those attributable to breakdown conditions. Prompt reporting shall be determined for compliance with District Rule 430. See Part II, Section B, condition # 5 for prompt reporting requirements.
[Rule 1203 (D)(1)(e)(ii)]
[**SIP Pending: Rule 430** - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

A. ***ABRASIVE BLASTING EQUIPMENT, DESCRIBED AS FOLLOWS:***

ABRASIVE BLAST BOOTH, MDAQMD permit number A000951 (Bldg. 629) CWC 752, Big Blast consisting of:
Called a North Unit.
The booth has an abrasive reclaimer system
Abrasive Reclaimer Vibratory Screen Classifier
Reclaimer Fan
Ventilation Fan
Spent Abrasive Pneumatic Transport System
Abrasive Supply System – Air Compressor
Volume of blast section: 19,200 ft3
Vacublast model 24' W x 32' L x 25" H
Control: Fabric Dust Collector, C003244 and C003245

ABRASIVE BLAST BOOTH, MDAQMD permit number A000952 consisting of:
BUILDING 629, CWC 752 Big Blast; Booth with abrasive reclaimer system, South Unit.
Vacublast, 24'w x 32'l x 25'h
Volume of blast section: 19,200 cu. ft.
Air Compressor, Abrasive supply system
Spent Abrasive Pneumatic Transport System
Main ventilation fan
Reclaimer Fan
Abrasive Reclaimer Vibratory Screen
USMC Account No. PA No. 383918, SN V-700816
Control: Fabric Dust Collector, Ventilation: C003247 Reclaimer: C003246

ABRASIVE BLASTING, MDAQMD permit number A003088 (at Bldg. 630) consisting of:
Portable Dry Stripping and Reclaiming Machine, Pauli & Griffen Model Pram 21.
Dry Stripping Machine: Pram 21
Abrasive Media: Plastic and/or Walnut Hulls

Blasting Pot Capacity: 330 lbs.
Abrasive Flow Rate: 800 lbs/hr
Abrasive Hopper Capacity: 1000 lbs.
Hose: 16' l & 0.75" dia.
Nozzle inside diameter: .05"
Air Compressor: 220 cfm @ 100 psig
Media recovery system: Cyclone/Air Wash/Vibrating Screen Reclaimer
Media Recovery System Air Flow Rate: 900 cfm
Pickup Hose: 25" l w/5" inside dia.
Blower Dust Collector: 7.5 hp
Control: Fabric Dust Collector (C003089)

ABRASIVE BLASTING SYSTEM, MDAQMD permit number A003915 consisting of: BUILDING 629; La Grange Products, Model 1427-308, 125 psi working pressure. Dimensions: 10'h x 2.5'l x 2.5'w (62.5 cu ft).

ABRASIVE BLASTING SYSTEM, MDAQMD permit number A003916 (at Bldg. 573) Area 12 consisting of: Zero, Model 720 1 900R/DF. Dimensions: 6'h x 5.7'l x 6'w, with 2 extensions on either side; dimensions: 14' x 21" x 22.5" (251 cu ft).

ABRASIVE BLASTING SYSTEM, MDAQMD permit number A003917 consisting of: BUILDING 573, Cost Work Cntr. 731; Trinity Tool Co., Model 60X48X600 exhaust fan with 1 hp motor.

ABRASIVE BLASTING SYSTEM, MDAQMD permit number A003959 (at Bldg. 630) consisting of: North Hardstand; Plastic Media Booth Stripping Technologies, Inc.
Dimensions: 30'w x 60'l x 19'h
2 deck, 40" diameter, vibrating classifier for blast media
Low profile loading hopper
Pressure vessel, ASME coded, 11 cu. ft., with 60-degree cone bottom
Tunable cyclone separator
2-50 ft., 1 ¼" hoses for blasting, 2 tungsten carbine nozzles
Magnetic separator with electrical, piping, valving

ABRASIVE BLASTING CABINET, MDAQMD permit number A004411 consisting of: BUILDING 573, Small Arms Area; Pangborn Corp., double-sided; one side uses glass beads; other side uses steel shot; 43 cu ft each; both use common one panel filter system.

ABRASIVE BLASTING CABINET, MDAQMD permit number A004412 consisting of: BUILDING 629; Wheelabrator 94 cu ft, w/vacuum and baghouse (#72AS28).

ABRASIVE BLASTER, ROTARY, MDAQMD permit number A005014 (at Bldg. 629) consisting of: BCP Double swing table blaster, Model CA4-5640, with integral baghouse dust collector.

ABRASIVE BLASTER ROTARY, MDAQMD permit number A005015 (at Bldg. 573) consisting of: Goff table blaster, Model 72PTW/1016DC, with an integral dust collector, filter area 540 sq. ft.

ABRASIVE BLAST BOOTH, MDAQMD permit number A005113 (at Bldg. 573) consisting of: Booth 28' x 30' x 56'. This unit is equipped with a screener classifier for re-use of used blast materials and final filters to collect 100% of all particles greater than 1.0 micron.

Conditions for units with permit numbers: A00951, A00952, A005113.

1. This abrasive blast booth shall not be operated unless it is vented to a functioning air pollution control device covered by a valid District permit, or which are an integral part of the equipment.
2. This abrasive blast booth must be equipped with tight fitting seals around all opening, such as doors, windows, seams, etc., so as to prevent the escape of particulate materials to the ambient air while in use.
3. The o/o shall comply with all applicable Rules and Regulations of the District, which include, but are not necessarily limited to, Regulation IV.
4. An annual compliance/certification test of this unit for particulate and PM10 is not required. However, the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual".
5. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.

Conditions for units with permit numbers: A003088.

1. This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District permit C003089.
2. This portable abrasive blast unit can only be used at the Nebo and Yermo Annex of the USMC Logistics Base, Barstow, CA.
3. The owner/operator (o/o) shall comply with all applicable Rules and Regulations of the District which include, but are not necessarily limited to, Regulation IV.
4. The maximum flow rate of plastic beads hall not exceed 50 lb/hr.
5. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering

principles.

Conditions for units with permit numbers: A003915, A003916, A003917, A004411, A004412.

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit was issued unless otherwise noted below.
2. An operation log shall be maintained on-site for at least five (5) years and be made available to District, state or federal personnel on request. This log shall contain, as a minimum, the type and the amount of blasting material used in this cabinet.
3. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and sound engineering principles.

Conditions for units with permit numbers: A003959.

1. Abrasive blasting operations within any permanent building shall not discharge into the atmosphere emissions which have an opacity of 10% or greater.
2. The owner/operator, o/o, shall operate this equipment in strict accord with the manufacturer's specification and/or sound engineering practices.
3. The o/o shall maintain a log of abrasive blast materials used in the cabinet. The log shall be maintained on-site for a minimum of 5 years and provided to District, state or federal personnel on request.
4. The maximum particulate matter (PM) that may be discharged into the atmosphere under this permit is 137 lbs/day. The maximum PM10 that may be emitted shall be 80 lb/day.
5. The o/o shall be required to comply with all of the Rules and Regulations of this District. Applicable rules are included in, but not necessarily limited to, Regulations IV and XIII.
6. This unit shall not be operated unless vented to properly functioning control equipment under valid District permit numbers C003961, C003962, C003963, & C003964.

Conditions for units with permit numbers: A005014, A005015.

1. An operation log shall be maintained on-site for at least five (5) years and be made available to District, state or federal personnel on request. This log shall contain, as a minimum, the type, run time, date, and the amount of blasting material added to this cabinet.
2. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless specifically exempted hereunder.

3. This equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

B. ***BOILERS, HIGH TEMPERATURE HOT WATER, DESCRIBED AS FOLLOWS*:**

BOILER, MDAQMD permit number B000935 (Bldg 574, HP5) Consisting of: BOILER NUMBER 7, HIGH TEMPERATURE HOT WATER which consists of a boiler described as International Boiler Works Inc. Type and Size TJW-C-25, with a heat input rating of 32 million Btu/h, built in 1976. The burner is a Combustion Specialty Incorporated CS-WT style, 25wt-N306 Model, natural gas/oil fired. Electrical motors associated with this boiler are for the fans and the hot water distribution pump whose total is 30 hp. This total hp does not significantly affect the fee structure.

BOILER, MDAQMD permit number B000936 (Bldg 574, HP5) consisting of: BOILER NUMBER 8, HIGH TEMPERATURE HOT WATER which consists of an International Boiler Works Inc. – Lamont FCW-C-25 HTHW a heat input rating of 32 million Btu/h. The burner is a Combustion Specialty Incorporated CS-WT style, 25wt-N306 Model, natural gas/oil fired. Electrical motors associated with this boiler are for the fans and the hot water distribution pump whose total is 30 hp. This total hp does not significantly affect the fee structure.

BOILER, MDAQMD permit number B000937 (Bldg 574, HP5) consisting of: BOILER NUMBER 9, HIGH TEMPERATURE HOT WATER which consists of an International Boiler Works Inc. – Lamont FCW-C-25 HTHW a heat input rating of 32 million Btu/h. The burner is a Combustion Specialty Incorporated CS-WT style, 25wt-N306 Model, natural gas/oil fired. Electrical motors associated with this boiler are for the fans and the hot water distribution pump whose total is 30 hp. This total hp does not significantly affect the fee structure.

Conditions for units with permit numbers: B000935, B000936, B000937.

1. This unit shall be operated and maintained in strict accord with manufacturers and/or suppliers recommendations.
2. This boiler is limited to using only pipeline natural gas or No. 2 fuel oil.
3. The owner/operator (o/o) shall not use No. 2 fuel oil in this unit whose sulfur concentration exceeds 0.05% on a weight basis. The o/o may use the fuel supplier's analytical data, provided it is kept with the log. At the discretion of the District, samples of fuel oil may be taken and submitted for analysis by ASTM methods D-2622-82, D-4294 or other method, which the District deems to be equivalent.
4. The o/o shall maintain a log for this equipment, which at a minimum contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, state or federal personnel on request:
   a. Fuel consumption and type, per calendar day and cumulative annual (calendar year);
   b. Annual compliance test or tune-up verification;
   c. Fuel sulfur concentration of fuel oil, if used.

5. This unit shall meet the following emission limits, when the annual heat input is greater than or equal to 50,000 MMBtu (corrected to 3% oxygen):
   a. Carbon monoxide less than 400 ppmvd;
   b. NOx less than 70 ppmvd, and/or 0.084 lbs/MMBtu of heat input, when operated on gaseous fuel;
   c. NOx less than 115 ppmvd, and/or 0.150 lbs/MMBtu of heat input, when operated on liquid and/or solid fuels.

6. This equipment shall be tested to determine compliance with the above emission limits through emissions compliance testing, according to Rule 1157, not less than once every twelve (12) months. A tune-up may be performed in lieu of a compliance test for years when the annual heat input is less than 50,000 MMBtu. The boilers with valid District permits B000935, B000936, and B000937 represent three identical linked boilers. If the annual heat input of these units combined is above 50,000 MMBtu, then the emission limits presented above.

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

C. ***DYNAMOMETER TEST STANDS, DESCRIBED AS FOLLOWS:***

DYNAMOMETER TEST STAND FOR PAXMAN IC ENGINE DETERMINATIONS, MDAQMD permit number B003969 (at Bldg 573, East Hardstand) consisting of:

DYNAMOMETER, MDAQMD permit number B004397 consisting of: BUILDING 573, Area 16; Unit No. 1, for testing diesel engines, 300 bhp nominal, located in room approx. 10'l x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004398 consisting of: BUILDING 573, Area 16; Unit no. 2, for testing diesel engines, 300 bhp nominal, located in room approx. 10'l x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004399 consisting of: BUILDING 573, Area 16; Unit No. 3, for testing diesel engines, 300 bhp nominal, located in room approx. 10'l x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004400 consisting of: BUILDING 573, Area 16; Unit no. 4, for testing diesel engines, 300 bhp nominal, located in room approx. 10'l x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004401 consisting of: BUILDING 573, Area 16; Unit No. 5, for testing diesel engines, 300 bhp nominal, located in room approx. 10'l x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004402 consisting of: BUILDING 573, Area 16; Unit No. 6, for testing diesel engines, 300 bhp nominal, located in room approx. 10'l x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004403 consisting of: BUILDING 573, Area 16; Unit No. 7, for testing diesel engines, 300 bhp nominal, located in room approx. 10'l x 14'w x 12'h.

Conditions for units with permit numbers: B003969.

1. The owner/operator (o/o) shall operate this equipment in strict accord with the manufacturer's specifications and/or sound engineering principles.
2. The o/o shall maintain a log of operations on this equipment which contains at a minimum the following:

a. Fuel consumed by the operating engines
b. Date, time, and length of times of each engine's operation, and
c. Brake hp of the engine developed at maximum during testing

3. The o/o shall keep the on-site for a minimum of five (5) years and provide it to the District, state or federal personnel on request.
4. The engines tested a limited to using diesel fuel whose sulfur content does not exceed 0.05% on a weight per weight basis.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

Conditions for units with permit numbers: B004397, B004398, B004399, B004400, B004401, B004402, B004403.

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit was issued unless otherwise stated below.
2. The owner/operator (o/o) shall operate this equipment in strict accord with the manufacturer's specifications and/or sound engineering principles.
3. The o/o shall maintain a log of operations on this equipment which contains at a minimum the following:
   a. Fuel consumed by the operating engines
   b. Date, time, and length of times of each engine's operation, and
   c. Brake hp of the engine developed at maximum during testing
4. The o/o shall keep the log on-site for a minimum of five (5) years and provide it to the District, state or federal personnel on request.
5. The engines tested are limited to using diesel fuel whose sulfur content does not exceed 0.05% on a weight per weight basis.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

D. ***CURING OVEN, DESCRIBED AS FOLLOWS*:**

CURING OVEN, MDAQMD permit number B002868 consisting of: Equipment Description – USMC Account No. 388091; Name plate rating: 105 kW/Btu; Natural draft exhaust; Recirculating air fan @ 3 BHP; 46, 20 kW, 440 Volt, three-phase heaters; 46, 20 kW, 440 Volt, three-phase heaters; Indoco Oven.

Conditions for unit with permit number: B002868.

1. This curing oven shall only be operated/maintained in strict accord with manufacturer's/suppliers recommendations and/or sound engineering principles.
2. A log shall be maintained of any VOC emissions that are emitted from this equipment which contains as a minimum:
   a. Date that there are VOC emissions.
   b. Type of material being cured or dried.
   c. Total amount of VOC's generated.
3. The log shall be maintained on-site for at least five (5) years and be made available to District, state or federal personnel upon request.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

E. ***AIR COMPRESSORS, DESCRIBED AS FOLLOWS*:**

AIR COMPRESSOR, MDAQMD permit number B005016 consisting of: HP 5, BUILDING 574; Skid mounted, Cummins, Diesel, Model No. NTA-14-460-C, 6 cylinders, 450 bhp @ 1800 rpm.

AIR COMPRESSOR, MDAQMD permit number B005017 (bldg 574, HP5) consisting of: Skid mounted, Cummins, Diesel, Model No. NTA-14-460-C, 6 cylinders, 450 bhp @ 1800 rpm.

Conditions for units with permit numbers: B005016, B005017.

1. The owner/ operator (o/o) shall log all starting and stopping times, for all uses, to the nearest minute and the date. The log shall be maintained current, on-site for a minimum of five (5) years and presented to District, state or federal personnel on request.
2. The o/o shall comply with all applicable rules and regulations of the District.
3. The o/o shall use only diesel fuel whose sulfur concentration is equal to or less than 0.05% on a per weight basis.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

F. ***PAINT DRYING OVENS, DESCRIBED AS FOLLOWS:***

PAINT DRYING OVEN, MDAQMD permit number B002867 consisting of: BUILDING 573, Area 11; Devilbiss Model 379-02, heated with 400 deg F water, nominal setting 175 deg F, normal operating range 125 – 150 deg F. Exhaust air flow rate: 1860 ACFM, 7.5 bhp, recirculating fan.

PAINT DRYING OVEN, MDAQMD permit number B002870 (at Bldg 573, Area 11) consisting of: Devilbiss, USMC Acct# 422286, Model 04-126-032; heated with 400 deg F water, nominal setting 250 deg F; normal operating temperature: 125 – 150 deg F. Exhaust air flow rate: 1060 ACFM, 0.3 bhp.

PAINT DRYING OVEN, MDAQMD permit number B002875 consisting of: BUILDING 573, Area 18; Devilbiss Model 1251-59; heated with 400 deg F water, nominal setting 250 deg F, normal operating range 125 – 150 deg F. Air flow rate: 35, 800 ACFM, 7.5 bhp.

Conditions for units with permit numbers: B002867, B002870, B002875.

1. This paint-drying oven shall only process items, which have a wet surface coating, which was applied to the item at this USMC Logistics Base.
2. This paint drying oven shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
3. The applicant shall be required to comply with all applicable Rules and Regulations of the District.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

G. *VEHICLE UNDERCOATING RACKS, DESCRIBED AS FOLLOWS:*

VEHICLE UNDERCOATING RACK, MDAQMD permit number B004194 consisting of: BUILDING 629; 150’ Ramped Rack, equipped with airless spray guns. Ashland Chemical Co. undercoating materials Tectyl 185 GW, Tectyl 2423 or equivalent.

VEHICLE UNDERCOATING RACK, MDAQMD permit number B004753 consisting of: BUILDING 203, NE Corner; 90’ x 20’ rack consisting of six (6) bays with undercoating on four (4) bays equipped with Mohawk Lifts and airless spray guns. Ashland Chemical Co. undercoating materials Tectyl 185 GW, Tectyl 2423 or equivalent.

Conditions for units with permit numbers: B004194, B004753.

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued

unless otherwise noted below.

2. A daily record shall be maintained of the VOC emissions from this source which contains but is not limited to the following:
   a. Manufacturer and brand name of undercoating used
   b. VOC limit (non-photochemically reactive)
   c. VOC limit (photochemically reactive)
   d. Quantity of coating used
   e. Total VOC emissions not photochemically reactive
   f. Total VOC emissions photochemically reactive
   g. Total VOC emissions
3. The daily log shall be maintained on site for a minimum of five (5) years and be provided to District, state or federal personnel on request.
4. The total VOC emissions for this undercoating rack and the undercoating rack covered by District Permit B004753 (photochemically reactive and non photochemically reactive) shall not exceed 250 pounds/day.
5. The total photochemically reactive VOC for these racks shall not exceed 39.6 pounds per day.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

H. ***OIL –WATER SEPARATORS, DESCRIBED AS FOLLOWS:***

OIL-WATER SEPERATOR, MDAQMD permit number B004499 consisting of: BUILDING 609; Great Lakes Environmental, Inc., Slant Rib Coalescing Separator I, Model SRC-75, with pumps, electrical, tanks, and other appurtenances (see Engineering Evaluation). Note: Much of the equipment ancillary to this unit is common to B004500, Oil-Water Separator II. B004499 and B004500 may function separately or simultaneously.

OIL-WATER SEPARATOR, MDAQMD permit number B004500 (Bldg. 609) consisting of Great Lakes Environmental, Inc., Slant Rib Coalescing Separator II, Model SRC-75, with pumps, electrical, tanks and other appurtenances (see Engineering Evaluation). Note: Much of the equipment ancillary to this unit is common to B004500, Oil-Water Separator II. B004499 and B004500 may function separately or simultaneously.

Conditions for unit with permit number: B004499, B004500.

1. The engineering and design submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted above.
2. The owner/operator (o/o) shall operate all equipment described in this permit in strict accord with the design and/or sound engineering principles which produce the minimum emission of air contaminants.
3. The o/o shall log the following on a calendar month basis:
   a. Mass, or volume of oily sludge collected;
   b. Mass, or volume of heavy metals sludge collected;
   c. Mass, or volume of recovered oil collected; and
   d. Volumes of liquid entering the oil-water separators and air stripper system.
4. The log shall be maintained current, on-site for a minimum of five (5) years and provided to District, state or federal personnel on request.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

I. *AIR STRIPPER, DESCRIBED AS FOLLOWS:*

AIR STRIPPER, MDAQMD permit number B004496 (Bldg. 609) consisting of: Carbonair Environmental Systems unit collects VOCs from the Water-Oil Separator, vented to the Thermal Oxidation/Scrubber.

Conditions for units with permit numbers: B004496.

1. The technical submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted hereunder.
2. The owner/operator shall operate and maintain all equipment in strict accord with the design and/or sound engineering principles which produce the minimum emission of contaminants.
3. The equipment shall operate concurrently with the scrubber under valid District permits C004497, C004498, B004499 and B004500.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

J. *PAINT SPRAY BOOTHS, DESCRIBED AS FOLLOWS:*

PAINT SPRAY BOOTH, MDAQMD permit number S002869 (Bldg. 573, Area 13)

consisting of: Devilbiss Model TEL 10106-100.
Volume of Booth: 1,200 cu. Ft.
Painting Surface Area: 10'w x 10'h, 100 sq. ft.
Air Flow Rate: 10,600 ACFM
Fan Motor 3.0 hp
Pressure Drop across dry filter: 1.0' – 1.5" W.C.

PAINT SPRAY BOOTH, MDAQMD permit number S002872 (Bldg. 573, Area 18; North Bay 3) consisting of: Binks Model No. TF-644-T-LH with oven as follows:
This oven is used to dry freshly coated tactical vehicles/equipment. The oven is heated using 402 F hot water @ 250 psig. Heat exchangers with the hot water transmitted by heating plant No.5 are about 1680 sq ft of surface area in the oven. Ancillary to this is oven No. 2, which is described as a Benco Products, Inc. model CPD-12F-CS.
Volume of Booth: 14,400 cu. Ft., (20'w x 40'l x 18'h)
Air Flow Rate: 35,800 ACFM,
Motors, 2 @ 7.5 hp each
Pressure Drop Range: 0.25" – 1.0" W.C. 3"
Dry Filter material: Polyester Fiber @ 2.0" thick
USMC Account No.: 389381

PAINT SPRAY BOOTH, MDAQMD permit number S002873 (Bldg. 573, Area 18 North, Bay 2) consisting of: Binks Model No. TF-644-T-LH.
This oven is used to dry freshly coated tactical vehicles/equipment. The oven is heated using 402 F hot water @ 250 psig. Heat exchangers with the hot water transmitted by heating plant No.5 are about 1680 sq ft of surface area in the oven.
Ancillary to this is oven No. 2, which is described as a Benco Products, Inc. model CPD-12F-CS.
Volume of Booth: 14,400 cu. Ft., (20'w x 40'l x 18'h)
Air Flow Rate: 35,800 ACFM,
Motors, 2 @ 7.5 hp each
Pressure Drop Range: 0.25" – 1.0" W.C.
The oven is 35 ft by 21 ft by 19 ft high. The oven is steel with galvanized wall panels, doors and roof. The doors on either end of the oven allow for equipment entering and/or leaving.
The oven is equipped with a temperature controller and a dial thermometer. Air is circulated by means of a 15,000 ACFM blower powered by a 15 hp electric motor.
USMC Account No.: 389380

Conditions for units with permit numbers: S002869.

1. For purposes of this permit the term "Organic Solvent", in addition to Rule 102, is defined to mean volatile organic portion of all paints, lacquers, stains, preservatives, diluents, thinners, reducers, cleaners, etc., used to prepare an item for coating, coat the item, and for post cleaning of the item and all equipment used in the cleaning and coating activities.
2. For the purpose of this permit the term "Facility" is defined to mean the "Yermo Annex".
3. The total amount of photochemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 7.9 lbs/hr and 39.6 lbs/day.
4. The total amount of non-photochemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 81 lbs/hr and 600 lbs/day.
5 A daily solvent usage log shall be maintained for each permit unit with the uses and/or releases of organic solvents. This log shall contain, as a minimum, the date, hours operated, material and amounts used on a daily basis. Additionally, the log must contain the pressure drop across the air emission control device. Note: The daily log information provides a basis for the Toxic Emissions Inventory required by AB2588 (STATE-ENFORCEABLE, ONLY).
6. A daily facility wide VOC emission report shall be prepared at least once a month. The logs and reports shall be maintained on-site for at least five (5) years and made available to District, state or federal personnel upon request.
7. The pressure drop across the air pollution control device shall be taken and recorded in the daily solvent usage log each day the booth is in operation.
8. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

NOTE: Currently isocyanate emissions are not regulated. However, isocyanates, along with over 500 other compounds, are listed under AB2588 (STATE-ENFORCEABLE, ONLY) "Toxics Hot Spots Program". Most users of these compounds are required to file a Toxic Emissions Inventory. Furthermore, many users will have to do a Risk Assessment. Based upon the Risk Assessment you may be required to control the emissions of the listed compounds.

Conditions for units with permit numbers: S002872, S002873.

1. For purposes of this permit the term "Organic Solvent", in addition to Rule 102, is defined to mean volatile organic portion of all paints, lacquers, stains, preservatives, diluents, thinners, reducers, cleaners, etc., used to prepare an item for coating, coat the item, and for post cleaning of the item and all equipment used in the cleaning and coating activities.

2. For the purpose of this permit the term "Facility" is defined to mean the "Yermo Annex".
3. The total amount of photochemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 7.9 lbs/hr and 39.6 lbs/day.
4. The total amount of non-photochemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 81 lbs/hr and 600 lbs/day.
5 A daily solvent usage log shall be maintained for each permit unit with the uses and/or releases of organic solvents. This log shall contain, as a minimum, the date, hours operated, material and amounts used on a daily basis. Additionally, the log must contain the pressure drop across the air emission control device. Note: The daily log information provides a basis for the Toxic Emissions Inventory required by AB2588 (STATE-ENFORCEABLE, ONLY).
6. A daily facility wide VOC emission report shall be prepared at least once a month. The logs and reports shall be maintained on-site for at least five (5) years and made available to District, state or federal personnel upon request.
7. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

NOTE: Currently isocyanate emissions are not regulated. However, isocyanates, along with over 500 other compounds, are listed under AB2588 "Toxics Hot Spots Program". Most users of these compounds are required to file a Toxic Emissions Inventory. Furthermore, many users will have to do a Risk Assessment. Based upon the Risk Assessment you may be required to control the emissions of the listed compounds.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 102 - *Definition of Terms*; Version in SIP = Current: Approved 11/27/90, 55 FR 49281, 40 CFR 52.220(c)(179)(i)(B) except “Fugitive liquid leak” and “fugitive vapor leak”; Partial Disapproval 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A) and 40 CFR 52.228(b)(1)(iv); Partial Disapproval, 40 CFR 52.236(e)(4); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(37)(i)(A)]

K. ***PAINT SPRAY BOOTHS, DESCRIBED AS FOLLOWS:***

PAINT SPRAY BOOTH, MDAQMD permit number S004558 consisting of: BUILDING 573, Area 18; Booth #1, Golden West, Model No. 2060 (modified).

Dimensions: 18'h x 20'w x 60'l
Intake filters: 64, 20" x 20" x 2
Exhaust filters: 72, 20"x20", Air Technologies Inc., high efficiency
Total Air Flow Rate: 36,000 cfm; 23,000 cfm to APC device (C004561) and 13,000 cfm recirculated back to the booth by two 18" variable frequency drive fans.
Ancillary to this is oven Number 1, which is described as a Benco Products, Inc. model CPD-12F-CS.
This oven is used to dry freshly coated tactical vehicles/ equipment. The oven is heated using 402 F hot water @ 250 psig. Heat exchangers with the hot water transmitted by heating plant No. 5, are about 1680 sq ft of surface area in the oven.
The oven is 35 ft by 21 ft and 19 ft high. The oven is steel with galvanized wall panels, doors and roof. The oven has doors at either end to allow for equipment entering and/or leaving.
The oven is equipped with a temperature controller and a dial thermometer. Air is circulated by means of a 15,000 ACFM blower powered by a 15 hp electric motor.
NOTE: This equipment incorporated in this permit necessitates canceling the former permit number B002875 after this unit is operational.

PAINT SPRAY BOOTH, MDAQMD permit number S004559 (Bldg. 573, Area 11) consisting of: Booth #2, SBS Special, Model TEL 301019-100 (modified).
Dimensions: 10'h x 32'w x 18'l
Intake filters: 72, 20" x 20" x 2 "
Exhaust filters: 84, 20" x 20", Air Technologies, Inc. high efficiency
Total Air Flow Rate: 32,000 cfm; 21,000 cfm to APC device (C004561) and 11,000 cfm being recirculated back to the booth by two 18" variable frequency drive fans.

PAINT SPRAY BOOTH, MDAQMD permit number S004560 (Bldg. 573, Area 11) consisting of: Booth #3, SBS Special, Model No. TEL 1486-100 (modified).
Dimensions: 10'h x 22'w x 12' deep
Intake Fans: 78, 20" x 20" x 2 "
Exhaust filters: 60, 20" x 20", Air Technologies, Inc. high efficiency
Total Air Flow Rate: 22,000 cfm; 15,000 cfm to APC device (C004561) and 7,000 cfm recirculated back to the booth by two 15" variable frequency drive fans.

Conditions for units with permit numbers: S004558.

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit issued unless otherwise noted below.
2. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and sound engineering principles.

3. This spray booth shall be operated in compliance with District Rules 1115 and 1116.
4. This spray booth shall not be operated unless it is vented to the operating APCS covered by District permit C004561.
5. NOTE: This booth after the rebuild or modification is complete for the recirculation system may be used in the conventional manner (with filters, no recirculation and exhaust to atmosphere) until the APCS, covered by District permit C004561 is constructed and operational.
6. This spray booth shall be equipped with a gauge to measure the static pressure differential across the three stage high efficiency exhaust filters. In operation, the pressure differential shall not exceed 2.5 inches of water.
7. The spray booth shall have an interlock that does not allow painting unless the APCS, covered by District permit C004561, is fully operational.
8. If the emergency bypass sequence is activated, the event shall be reported to the District in accordance with District Rule 430.

Conditions for units with permit numbers: S004559.

1. This spray booth and the booth covered by District permit S004560 shall have an interlock system that prevents painting in both booths at the same time.
2. This spray booth shall be equipped with a gauge to measure the static pressure differential across the three stage high efficiency exhaust filters. In operation, the pressure differential shall not exceed 2.5 inches of water.
3. If the emergency bypass sequence is activated, the event shall be reported to the District in accordance with District Rule 430.
4. The owner/operator (o/o) shall operate this equipment in strict accord with the manufacturer's specifications and/or sound engineering principles.
5. This spray booth shall be operated in compliance with District rules 1115 and 1116.
6. This spray booth shall have an interlock that does not allow painting unless the APCS, covered by District permit C004561, if fully operational.
   NOTE: This booth after the rebuild or modification is complete for the recirculation system may be used in the conventional manner (with filters, no recirculation and exhaust to atmosphere) until the APCS, covered by District permit C004561 is constructed and operational.

Conditions for units with permit numbers: S004560.

1. The owner/operator (o/o) shall operate this equipment in strict accord with the manufacturer's specifications and/or sound engineering principles.
2. This spray booth shall be operated in compliance with District rules 1115 and 1116.

3. This spray booth shall not be operated unless it is vented to the operating APCS covered by District permit C004561.

4. If the emergency bypass sequence is activated, the event shall be reported to the District in accordance with District Rule 430.

5. This spray booth and the booth covered by District permit S004559 shall have an interlock system that prevents painting in both booths at the same time.

6. This spray booth shall be equipped with a gauge to measure the static pressure differential across the three stage high efficiency exhaust filters. In operation, the pressure differential shall not exceed 2.5 inches of water.
NOTE: This booth after the rebuild or modification is complete for the recirculation system may be used in the conventional manner (with filters, no recirculation and exhaust to atmosphere) until the APCS, covered by District permit C004561 is constructed and operational.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 102 - *Definition of Terms*; Version in SIP = Current: Approved 11/27/90, 55 FR 49281, 40 CFR 52.220(c)(179)(i)(B) except "Fugitive liquid leak" and "fugitive vapor leak"; Partial Disapproval 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A) and 40 CFR 52.228(b)(1)(iv); Partial Disapproval, 40 CFR 52.236(e)(4); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(37)(i)(A)]

L. ***STENCIL AND TOUCH-UP EQUIPMENT, DESCRIBED AS FOLLOWS:***

STENCIL AND TOUCH-UP AREA, MDAQMD permit number P002876 consisting of: BUILDING 573, Area 18; Area A. Equipment Description: Paint spray guns: Binks Model No. 18, ML62 & 115; Outside under canopy (48' x 30'); At times this operation may be moved to another location because of weather conditions.

STENCIL AND TOUCH-UP AREA, MDAQMD permit number P002877 consisting of: BUILDING 573. Area 18; Area B. Equipment Description: Paint spray guns: Binks Model No. 18, ML62 & 115; Outside under canopy (48' x 30'); At times this operation may be moved to another location because of weather conditions.

STENCIL AND TOUCH-UP AREA, MDAQMD permit number P002878 consisting of: BUILDING 573, Area 18; Area C. Equipment Description: Paint spray guns: Binks Model 18, ML62 & 115; Outside under canopy (20' x 30'); At times this operation may be moved to another location because of weather conditions.

Conditions for units with permit numbers: P002876, P002877, P002878.

1. For purposes of this permit the term "Organic Solvent", in addition to Rule 102., is defined to mean volatile organic portion of all paints, lacquers, stains, preservatives, diluents, thinners, reducers, cleaners, etc., used to prepare an item for coating, coat the item, and for post cleaning of the item and all equipment used in the cleaning and coating activities.
2. For the purpose of this permit the term "Facility" is defined to mean the "Yermo Annex".
3. The total amount of photo-chemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 7.9 lbs/hr and 39.6 lbs/day.
4. The total amount of non-photo-chemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 81 lbs/hr and 600 lbs/day.
5 A daily solvent usage log shall be maintained for each permit unit with the uses and/or releases of organic solvents. This log shall contain, as a minimum, the date, hours operated, material and amounts used on a daily basis. Additionally, the log must contain the pressure drop across the air emission control device. (Note: The daily log information provides a basis for the Toxic Emissions Inventory required by AB2588 (STATE-ENFORCEABLE, ONLY).
6. A daily facility wide VOC emission report shall be prepared at least once a month. The logs and reports shall be maintained on-site for at least five (5) years and made available to District, state or federal personnel upon request.
7. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
8. Only High Volume Low Pressure (HVLP) spray guns are permitted for use at this site.

NOTE: Currently isocyanate emissions are not regulated. However, isocyanates, along with over 500 other compounds, are listed under AB2588 (STATE-ENFORCEABLE, ONLY) "Toxics Hot Spots Program". Most users of these compounds are required to file a Toxic Emissions Inventory. Furthermore, many users will have to do a Risk Assessment. Based upon the Risk Assessment you may be required to control the emissions of the listed compounds.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 102 - *Definition of Terms*; Version in SIP = Current: Approved 11/27/90, 55 FR 49281, 40 CFR 52.220(c)(179)(i)(B) except “Fugitive liquid leak” and “fugitive vapor

leak"; Partial Disapproval 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A) and 40 CFR 52.228(b)(1)(iv); Partial Disapproval, 40 CFR 52.236(e)(4); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(37)(i)(A)]

M. *FIRST PAINT AREA (OUTSIDE), DESCRIBED AS FOLLOWS:*

FIRST PAINT AREA, MDAQMD permit number P002871 (OUTSIDE) consisting of: BUILDING 573, Area 18; Primer Painting. Equipment Description: Paint spray guns; Binks Model No. 18, ML62 & 115; Outside under canopy (70' x 90'); Water reducible coatings, Epoxy Primer

Conditions for units with permit numbers: P002871.

1. For purposes of this permit the term "Organic Solvent", in addition to Rule 102., is defined to mean volatile organic portion of all paints, lacquers, stains, preservatives, diluents, thinners, reducers, cleaners, etc., used to prepare an item for coating, coat the item, and for post cleaning of the item and all equipment used in the cleaning and coating activities.
2. For the purpose of this permit the term "Facility" is defined to mean the "Yermo Annex".
3. The total amount of photo-chemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 7.9 lbs/hr and 39.6 lbs/day.
4. The total amount of non-photo-chemically reactive organic solvents (Rule 102) released to the atmosphere from this paint spray booth is limited to 81 lbs/hr and 600 lbs/day.
5 A daily solvent usage log shall be maintained for each permit unit with the uses and/or releases of organic solvents. This log shall contain, as a minimum, the date, hours operated, material and amounts used on a daily basis. Additionally, the log must contain the pressure drop across the air emission control device. (Note: The daily log information provides a basis for the Toxic Emissions Inventory required by AB2588 (STATE-ENFORCEABLE, ONLY).
6. A daily facility wide VOC emission report shall be prepared at least once a month. The logs and reports shall be maintained on-site for at least five (5) years and made available to District, state or federal personnel upon request.
7. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
8. Only High Volume Low Pressure (HVLP) spray guns are permitted for use at this site.

NOTE: Currently isocyanate emissions are not regulated. However, isocyanates, along with over 500 other compounds, are listed under AB2588 (STATE-ENFORCEABLE, ONLY) "Toxics Hot Spots Program". Most users of these compounds are required to file a Toxic Emissions Inventory. Furthermore, many users will have to do a Risk Assessment. Based upon the Risk Assessment you may be required to control the emissions of the listed compounds.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 102 - *Definition of Terms*; Version in SIP = Current: Approved 11/27/90, 55 FR 49281, 40 CFR 52.220(c)(179)(i)(B) except "Fugitive liquid leak" and "fugitive vapor leak"; Partial Disapproval 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A) and 40 CFR 52.228(b)(1)(iv); Partial Disapproval, 40 CFR 52.236(e)(4); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(37)(i)(A)]

N. ***HEPA VAC EQUIPMENT, DESCRIBED AS FOLLOWS:***

HEPA VAC, MDAQMD permit number C005008 (Bldg. 573 near 12th and C strs) consisting of: Nilfisk, Model No. GS-82, with primary and secondary HEPA filters. The HEPA filter is 99.9% efficient for collection of all particles whose mean diameter is equal to or greater than 0.3 microns.

HEPA VAC, MDAQMD permit number C005009 (Bldg. 573 near 12th & C Sts) consisting of: Nilfisk, Model No. GS-82, with primary and secondary HEPA filters. The HEPA filter is 99.9% efficient for collection of all particles whose mean diameter is equal to or greater than 0.3 microns.

HEPA VAC, MDAQMD permit number C005010 (Bldg. 573 near 12th & C Sts) consisting of: Nilfisk, Model No. GS-80, with primary and secondary HEPA filters. The HEPA filter is 99.9% efficient for collection of all particles whose mean diameter is equal to or greater than 0.3 microns.

HEPA VAC, MDAQMD permit number C005011 (Bldg. 573 near 12th & C Sts) consisting of: Nilfisk, Model No. GS-80, with a primary and secondary HEPA filters. The HEPA filter is 99.9% efficient for collection of all particles whose mean diameter is equal to or greater than 0.3 microns.

HEPA VAC, MDAQMD permit number C005012 (Bldg. 573 near 12th & C Sts) consisting

of: Nilfisk, Model No. GS-80, with a primary and secondary HEPA filters. The HEPA filter is 99.9% efficient for collection of all particles whose mean diameter is equal to or greater than 0.3 microns.

Conditions for units with permit numbers: C005008, C005009, C005010, C005011, C005012.

1. The HEPA filters shall meet UL 585 and UL 900 class 2 requirements.
2. This air filtration unit shall be operated and maintained in strict accord with those recommendations of the manufacturer.
3. This unit may, at the discretion of the owner/operator, be used on any asbestos project in the District with proper 10-day notification consistent with 40 CFR61. Proper notification is written and telephone communication a minimum of 10 district working days prior to actual placement of the unit at the new site.
4. During full containment projects, view ports shall be provided for inspection purposes. The view port dimensions shall be at least 18 inches square and the bottom of said port no less than3 to 4 feet from the floor level.
5. Viewing ports shall be sufficient in number to allow observation of all stripping and removal of asbestos containing materials, ACM.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

O. ***DUST COLLECTORS, DESCRIBED AS FOLLOWS:***

DUST COLLECTOR, MDAQMD permit number C003961 consisting of: BUILDING 573, North Hardstand; D.C. #4, Stripping Technologies, Inc., Airwell, 30 compartments of filters; A:C. 2.29:1; with two 7.5 hp electric motors which pulls 16,000 ACFM with 3.0 w.g. pressure drop.

DUST COLLECTOR, MDAQMD permit number C003962 consisting of: BUILDING 573, North Hardstand; D.C. #3, Stripping Technologies, Inc., Airwell, 30 compartments of filters; A:C. 2.29:1; with two 7.5 hp electric motors which pulls 16,000 ACFM with 3.0 w.g. pressure drop.

DUST COLLECTOR, MDAQMD permit number C003963 consisting of: BUILDING 573, North Hardstand; D.C. #2, Stripping Technologies, Inc., Airwell, 30 compartments of filters; A:C. 2.29:1; with two 7.5 hp electric motors which pulls 16,000 ACFM with 3.0 w.g. pressure drop

DUST COLLECTOR, MDAQMD permit number C003964 consisting of: BUILDING

573, North Hardstand; D.C. #1, Stripping Technologies, Inc., Airwell, 30 compartments of filters; A:C. 2.29:1; with two 7.5 hp electric motors which pulls 16,000 ACFM with 3.0 w.g. pressure drop.

Conditions for units with permit numbers: C003961, C003962, C003963, C003964.

1. The owner/operator (o/o) shall comply with all applicable rules and regulations of the District.
2. The o/o shall maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
3. The o/o shall institute a program of maintenance, which embraces at least monthly visible emissions determinations, monthly visual inspections of all associated equipment (inclusive of the filters and their suspension system) and regular (to be determined with experience with this unit) measurements of the pressure differential across the collector.
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
5. The o/o shall install and maintain a device which measures the pressure differential across the filters if one is not provided with the unit.
6. This dust collector shall operate concurrently with the equipment described in District permit A003959.
7. The o/o shall log all the items in 3, above, keep the log on-site for a minimum of 5 years and provide it to District, state or federal personnel on request.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

P. ***FABRIC DUST COLLECTORS, DESCRIBED AS FOLLOWS:***

FABRIC DUSR COLLECTOR, MDAQMD permit number C003089 consisting of:
BUILDING 630;
Manufacturer: Pauli and Griffen
Number of Bags: 30, 4” diameter, 48” length
Air Flow Rate: 900 ACFM
Fan Motor
Air to Cloth Ratio: 6.43:1
Pressure Drop Range: 2.0” to 4.0” W.C.

FABRIC DUST COLLECTOR, MDAQMD permit number C003244 consisting of:

BUILDING 629, CWC 752 Big Blast, Abrasive Reclaimer System, North Unit.
Manufacturer: Torit Division, Donaldson Co. Inc.
Model No.: 2DF16
Type: Cartridge
Number of cartridges: 16
Bag Dimensions: 12.75" diameter by 26" length
Cloth Type: Ultra-Web.
Air Flow Rate: 3,200 ACFM
Actual Filter Area: 3,616 sq. ft.
Air to Cloth Ratio: 0.88:1
Exhaust Fan: New York Blower, Model No. 2110S
Exhaust Fan Motor:
Exhaust Gas Flow Rate: 3,200 ACFM
Hopper Discharge Valve:

FABRIC DUST COLLECTOR, MDAQMD permit number C003245 consisting of:
BUILDING 629, CWC 752 Big Blast; Booth Ventilation System, North Unit.
Manufacturer: Day Division, Donaldson Co. Inc.
Model No.: RFW484W, 2 each
Type: Reverse Pulse
Number of Bags: 484 in each unit; 968 total
Bag Dimensions: 3' x 8" oval by 144" length
Cloth Type: Polyester Felt, 16 oz.
Air Flow Rate: 48,400 ACFM each
Actual Filter Area: 7,223 sq. ft.
Air to Cloth Ratio: 6.7:1
Exhaust Fan: New York Blower, Class III, Model No. 66
Exhaust Fan Motor: one each
Exhaust Gas Flow Rate: 96,800 ACFM
Pulse Air Fan: Two @ 5 hp each
Manifold Drive Motor: Two @ 0.33 hp each
Hopper Discharge Valve: Two @ 0.5 hp each

FABRIC DUST COLLECTOR, MDAQMD permit number C003246 consisting of:
BUILDING 573, CWC 752 Big Blast, Abrasive Reclaimer System, South Unit.
Manufacturer: Torit Division, Donaldson Co. Inc.
Model No.: 2DF16
Type: Cartridge
Number of Cartridges: 16
Bag Dimensions: 12.75" diameter, 26" length

Cloth Type: Ultra-Web
Air Flow Rate: 3,200 ACFM
Actual Filter Area: 3616 sq. ft.
Air to Cloth Ratio: .0.88:1
Exhaust Fan: New York Blower, Model No. 2110S
Exhaust Fan Motor:
Exhaust Gas Flow Rate: 3,200 ACFM
Hopper Discharge Valve

FABRIC DUST COLLECTOR, MDAQMD permit number C003247 (Bldg. 573) consisting of: CWC 752 Big Blast; Booth Ventilation System, South Unit.
629, CWC 752 Big Blast; Booth Ventilation System, North Unit.
Manufacturer: Day Division, Donaldson Co. Inc.
Model No.: RFW484W, 2 each
Type: Reverse Pulse
Number of Bags: 484 in each unit; 968 total
Bag Dimensions: 3' x 8" oval by 144" length
Cloth Type: Polyester Felt, 16 oz.
Air Flow Rate: 48,400 ACFM each
Actual Filter Area: 7,223 sq. ft.
Air to Cloth Ratio: 6.7:1
Exhaust Fan: New York Blower, Class III, Model No. 66
Exhaust Fan Motor: one each
Exhaust Gas Flow Rate: 96,800 ACFM
Pulse Air Fan: Two @ 5 hp each
Manifold Drive Motor: Two @ 0.33 hp each
Hopper Discharge Valve: Two @ 0.5 hp each

Conditions for units with permit numbers: C003089, C003244, C003245, C003246, C003247.

1. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual".
2. Operation of this equipment shall be in strict compliance with the data and specifications submitted with the application for which this permit has been issued.
3. This unit shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants.

4. The owner/operator (o/o) shall comply with all applicable Rules and Regulations of this District. Applicable rules include, but are not necessarily limited to those in Regulation IV.
5. An operating air lock device shall be fitted on each material discharge port.
6. This fabric dust collector shall be equipped with functioning pressure gauge to monitor the pressure drop across the unit.
7. The operating pressure drop across this fabric dust collector shall be kept between 1.5 and 4.0 in W.C. (For permit C003089, between 2.0 and 4.0 in W.C.)
8. Pressure drop readings shall be taken weekly and recorded in the maintenance/ operator's log. This log shall be maintained on-site for five (5) years and be made available to the District upon request.
9. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
10. For permit C003247, The hopper shall discharge into a drum which is inside a sealed structure which is under negative pressure and vented back to the baghouse.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

Q. ***EMERGENCY INTERNAL COMBUSTION ENGINES, DESCRIBED AS FOLLOWS:***

EMERGENCY INTERNAL CUMBUSTION ENGINE, MDAQMD permit number E003960 (Bldg. 587 North Hardstand) consisting of: Onan, 175 kW(e), powered by a 235 bhp, 4 cycle Cummins diesel engine.

EMERGENCY INTERNAL CUMBUSTION ENGINE, MDAQMD permit number E004391 (Bldg. 573, Area 12) consisting of: Onan, powered by a Cummins MC #L-87095, Model WT855G2, 6 cyl, 355 bhp @ 1800 rpm, diesel engine.

EMERGENCY INTERNAL COMBUSTION ENGINE, MDAQMD permit number E004501 (Bldg. 609) consisting of: Generator powered by Caterpillar Model 3508, 8 cyl, 1020 bhp, direct injected, turbocharged, and aftercooled diesel engine, using 37.9 gal/hr if fuel and generating 500 kW(e).

Conditions for units with permit numbers: E003960, E004391, E004501.

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued

unless otherwise noted below.

2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
3. This unit shall be limited to use for emergency power, defined as when commercially available power has been interrupted, and as part of a testing program which does not exceed 60 minutes of operation per week.
4. The owner/operator (o/o) shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis in this unit.
5. The o/o shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, state or federal personnel on request:
   a. Date of each use;
   b. Duration of each use, in minutes;
   c. Fuel consumed during each calendar year, in gallons;
   d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

R. ***DIP TANKS, DESCRIBED AS FOLLOWS*:**

DIP TANK, MDAQMD permit number T003092 consisting of: BUILDING 573, Small Arms Area; Tank # 11, Oxide Black; FIFO Manufacturing Co, type 304 stainless steel, 96"l x 30" x 28"d, with 18 gauge stainless steel cover, located at CWC 729.
Surface Area of Solvent: 20 sq. ft.
Volume of Solvent: 349 gallons (46.7 cu ft)
Agent: Oxide Black
Operating Temperature: Heated or Steam Operated: 255-275 degrees F.
Vapor collection hood

DIP TANK, MDAQMD permit number T003093 consisting of: BUILDING 573, Small Arms Area; Tank #14, Soluble Oil.
Surface Area of Solvent: 18 sq. ft. (3' x 6')
Volume of Solvent: 470 gallons (3' x 6' x 3.5')
Agent: Soluble Oil, NSN 9150-00-252-6380 or equivalent, Boiling Point 700 degrees F, Specific Gravity 0.93,

Autoiginition Temp. 340 degrees F, Flash Point 340 degrees F.
Operating Temperature: Ambient
Cover for Top

DIP TANK, MDAQMD permit number T003095 consisting of: BUILDING 573, Small Arms Area; Tank # 16, Lubricating Oil.
Surface Area of Solvent: 18 sq. ft. (3' x 6')
Volume of Solvent: 470 gallons (3' x 6' x 3.5')
Agent: Soluble Oil, NSN 9150-00-231-9062 or equivalent, Lubricating Oil, General Purpose, Boiling Point 550
750 degrees F, Vapor Pressure, 0; Flash Point 290 degrees F.
Operating Temperature: Ambient
Cover for Top

DIP TANK, MDAQMD permit number T003374 (Bldg. 573, Area 11) consisting of:
Tank #5, Iron Phosphate.
Surface Area of Tank: 135 sq. ft. (9' x 15')
Volume of Tank: 3,282 gallons (9' x 15' x 3.25'), equals 438.75 cu. ft.
Agent: Iron Phosphate, NSN 6810-01-B02-5798 or equivalent
Steam Activated
Operating Temperature: 150 degrees F
Vapor collection hood along the back of the tank and a fan that exhausts to the outside.
USMC Account No. 378675

DIP TANK, MDAQMD permit number T003376 (Bldg. 573, Small Arms Area) consisting of: Tank #2, Turcoat.
Surface Area of Tank: 8 sq. ft. (2' x 4')
Volume of Tank: 240 gallons (2' x 4' x 4'), equals 32 cu. ft.
Agent: Turcoat, Mil Spec: Mil P 16232
Steam Activated
Operating Temperature: 190 - 200 degrees F
Vapor collection hood along the back of the tank and a fan that exhausts to the outside.

DIP TANK, MDAQMD permit number T003377 (Bldg. 573, Small Arms Area) consisting of: Tank #4, Chromic Acid.
Surface Area of Tank: 36 sq. ft. (3' x 12')
Volume of Tank: 942 gallons (3' x 12' x 3.5'), equals 126 cu. ft.
Agent: Turcoat, NSN 6810-00-264-3939 or equivalent
Steam Activated
Operating Temperature: 150 degrees F

Vapor collection hood along the back of the tank and a fan that exhausts to the outside.

DIP TANK, MDAQMD permit number T003378 (Bldg. 573, Small Arms Area) consisting of: Tank #10, Hydrochloric Acid; FIFO Manufacturing Co., type 304 stainless steel; 96"l x 30"w x 28"d: with two covers each measuring 96"L x 15"W; located at CWC 729.
Surface Area of Tank: 20 sq. ft.
Volume of Tank: 349 gallons (46.7 cu ft)
Agent: Hydrochloric Acid
Operating Temperature: Ambient
Cover for Top

DIP TANK, MDAQMD permit number T003379 (Bldg. 573, Small Arms Area) consisting of: Tank #12, PX Black; FIFO Manufacturing Co., type 304 stainless steel; 96"l x 30'w x 28'd; with 18 gauge stainless steel cover; located at CWC 729.
Surface Area of Tank: 20 sq. ft.
Volume of Tank: 349 gallons (46.7 cu. Ft.)
Agent: Px-5
Steam Activated
Operating Temperature: 255 - 270 degrees F
Vapor collection hood located along the back of the tank and a fan that exhausts to the outside.

DIP TANK, MDAQMD permit number T004671 (Bldg. 573, Area 11) consisting of:
Tank #8, Phosphoric Acid.
Surface Area of Tank: 45 sq. ft. (3' x 15')
Volume of Tank: 3,284 gallons (3' x 15' x 9', equals 439 cu. Ft.)
Agent: Phosphoric Acid
Steam Activated
Operating Temperature: 150 degrees F
Vapor collection hood located along the back of the tank and a fan that exhausts to the outside.

Conditions for units with permit numbers: T003092, T003093, T003095, T003374, T003376, T003377, T003378, T003379, T004671.

1. The tank shall be equipped with a vapor collection hood located along the back of the tank. For permits T003093, T003095, and T003378, The tanks shall be equipped with a tight fitting cover that shall be closed at all tomes when the tank is not in use.
2. The vapor collection hood and fan shall be in operation when there is a chemical agent in the tank (except for permits T003093, T003095, and T003378).
3. The tank must have a Freeboard height of at least five (5) inches (for T003377

and T003378 at least two (2) inches) while the items(s) are submerged. The Freeboard Height is the distance form the top of the liquid to the top of the tank.

4. Parts shall be added or removed from the tank in a manner to prevent splashing.
5. Parts being removed from the tank must not be dripping.
6. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the existing hoist must not exceed 30 feet per minute and any new or replacement hoist must not exceed 11.2 feet per minute.
7. An operator's log must be maintained which contains, as a minimum, the type of solvents in each tank, date and amount of solvent added, and a daily self-inspection checklist. The log shall be maintained on-site for at least five (5) years and made available to District, state or federal personnel upon request.
8. For T003093 and T003095, The applicant shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not limited to Regulation IV.
9. For T003093 and T003095, The dip tank shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

S. ***INDUSTRIAL WASTEWATER ABOVE GROUND STORAGE TANKS, DESCRIBED AS FOLLOWS*:**

INDUSTRIAL WASTE WATER TANK, MDAQMD permit number T003926, consisting of: BUILDING 609; Open top, 21,000 gal., 40' l x 9 ' h x 8' w.

INDUSTRIAL WASTE WATER TANK, MDAQMD permit number T003927, consisting of: BUILDING 609; 21,000 gal., Open top, 40' l x 9' h x 8' w.

INDUSTRIAL WASTE WATER TANK, MDAQMD permit number T003929, consisting of: BUILDING 611; 21,000 gal., Open top, 40' l x 9' h x 8' w.

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK, MDAQMD permit number T005251, TANK NO. 679251 consisting of: 39'8" l x 9'6" dia., Carbon steel 20,000 gallons.

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK,

MDAQMD permit number T005252, TANK NO. 679252 consisting of: 39'8" l x 9'6" dia., Carbon steel 20,000 gallons.

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK, MDAQMD permit number T005253, TANK NO. 679253 consisting of: 39'8" l x 9'6" dia., Carbon steel 20,000 gallons.

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK, MDAQMD permit number T005254, TANK NO. 679254 consisting of: 39'8" l x 9'6" dia., Carbon steel 20,000 gallons.

Conditions for units with permit numbers: T003926, T003927, T003929, T005251, T005252, T005253, T005254.

1. The o/o shall operate this equipment in strict accordance with the manufacturer's specifications and/or sound engineering principles.
2. The o/o shall maintain a log of the records to verify proper disposal to Certified off-base handing facilities, including quantity. These records shall be maintained on site for a minimum of five years.
3. The o/o shall comply with all applicable Rules and Regulations of this District. Applicable rules are included in, but not limited to Regulations IV and XIII.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

T. *UNDERGROUND STORAGE TANKS, DESCRIBED AS FOLLOWS:*

UNDERGROUND STORAGE TANK, MDAQMD permit number T005118 consisting of: a Double walled FRP tank whose diameter is 10ft and length is 73.3 ft. The capacity of this tank is 40,000 gallons. The tank will hold diesel No. 2 fuel for back up supply to heat plant No. 5. The tank will be designated 574 RT-1 by the Marine Corp/Barstow and will be west of Building 574 in the Yermo Annex.

Conditions for units with permit numbers: T005118.

1. The o/o shall install, maintain and operate this unit in strict accord with those recommendations of the manufacturer/supplier, which produce minimum emissions of VOCs.
2. The o/o shall maintain a log, which delineates the dates of filling, volume and additions and dates of maintenance and repair of this unit. The log shall be maintained current, on-site and provided to District, Cal-EPA and USEPA on

request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

U. ***ABOVE GROUND STORAGE TANKS, DESCRIBED AS FOLLOWS:***

GASOLINE STORAGE TANK, MDAQMD permit number T003861 consisting of: BUILDING 573; Row E, Door 62, Area 16, 288 gal, 3' x 3' x 4'h, for testing facilities only.

Conditions for units with permit numbers: T003861.

1. This tank shall only be operated and maintained in strict accord with the manufacturer's and/or supplier's recommendations or sound engineering principles.
2. This tank must be equipped with a permanent submerged fill pipe.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

V. ***THERMAL OXIDIZER, DESCRIBED AS FOLLOWS:***

THERMAL OXIDIZER, MDAQMD permit number C004497 consisting of: BUILDING 609; Air Chem Systems, Inc., controls VOCs from the Air Stripper (Permit C004498).

Conditions for units with permit numbers: C004497.

1. The owner/operator shall operate and maintain all equipment in strict accord with the design and/or sound engineering principles which produce the minimum emission of contaminants.
2. This equipment shall operate concurrently with the scrubber under valid District permit C004498.
3. The technical submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted hereunder.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

W. ***ADVANCED OXIDATION PROCESS (AOP) MODULE AND AIR STRIPPER, DESCRIBED AS FOLLOWS:***

ADVANCED OXIDATION PROCESS (AOP) MODULE AND AIR STRIPPER, MDAQMD permit number C005090 consisting of: Perox-Pure™ 120 kW system, model 180S15A97, which uses UV lamp with a quartz sleeve in a lined aluminum chamber. The air stripper is a Shallow Tray low profile air stripper, model 2641. The blower is driven by a 7.5 hp motor. Organics are oxidized in the system.

Conditions for units with permit numbers: C005090.

1. This unit shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier.
2. This unit is an integral part of the Industrial Wastewater Treatment and Recycling facility, Building 609 and shall operate concurrently with associated valid District permits B004496, C004497, C004498, C004498, C004499, and B004500.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

X. *AIR POLLUTION CONTROL SYSTEM, DESCRIBED AS FOLLOWS:*

AIR POLLUTION CONTROL SYSTEM, MDAQMD permit number C004561, (Bldg. 573 outside NW corner) consisting of: UV Oxidation Enhanced Activated Carbon Treatment System, mfg. by Terr-Aqua Enviro Systems.
Inlet filter consisting of 4" thick HVAC pre-filter, 12" thick second stage pleated filter and 12" thick third stage HEPA filter.
Pre-oxidation unit consisting of 60 specialty tune UV lamps and dual ballasts.
Mist air dispersion unit.
Aqua reactor with outlet coalescer.
Photolytic reactor with outlet coalescer.
Multi-cambered AO generators.
Two activated carbon adsorption units.
Water recycling tank.
Exhaust system consisting of two 150 hp blowers handling 45,000 CFM of contaminated air produced by the spray booth.
Air emissions control room containing electrical and control systems for the APCS.

Conditions for unit with permit number: C004561.

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the manufacturer's specifications submitted with the application under which this permit was granted.
2. The owner/operator (o/o) shall operate this equipment in strict accord with the

manufacturer's specifications and/or sound engineering principles.

3. The exhaust from the three (3) paint booths covered by District permits S004558, S004559, and S004560 shall be ducted to this APCS.
4. The total quantity of Volatile Organic Compound (VOC) emissions discharged to the atmosphere from the APCS shall not exceed 180 lbs. in any one day.
5. This APCS shall operate with an overall destruction efficiency of 90%.
6. The o/o shall keep records to verify daily usage and daily VOC emissions from the three (3) paint booths covered by District permits S004558, S004559, and S004560 in accordance with District Rules 1115 and 1116. Such records shall be retained for a period of five (5) years and be provided to the District, state or federal personnel on request.
7. Within ninety (90) days of commencement of operation of the APCS, the o/o shall conduct a compliance / certification test (source test) for volatile organic compounds (VOC), destruction efficiency and affect on emissions reporting relative to AB2588 (STATE-ENFORCEABLE, ONLY) in accordance with the District "Compliance Procedural Manual".
8. The Applied Research Laboratory (ARL) at Penn State University is performing research with the Strategic Environmental Research and Development Program (SERDP) on the Terr-Aqua UV-Oxidation Enhanced Activated Carbon Treatment System. It is the intent of the SERDP program to modify the operating parameters and/or the equipment covered by this permit. All modifications made to this equipment will be the result of the research being done at the ARL and will have been proven by a full range of research including literature searches, computer modeling, physical air flow modeling, bench scale experiment and pilot scale (2000 cfm flow rate) testing. Any significant modifications to the system will be allowed by obtaining written authorization from the District.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

Y. ***CAUSTIC SCRUBBER, DESCRIBED AS FOLLOWS:***

CAUSTIC SCRUBBER, MDAQMD permit number C004498, consisting of: BUILDING 609; Air Chem Systems, Inc. controls acid gases from the Thermal Oxidizer (Permit C004497), particularly hydrogen chloride from the combustion of chlorinated solvents.

Conditions for unit with permit number: C004498.

1. The technical submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted hereunder**.**
2. The owner/operator (o/o) shall operate and maintain all equipment in strict accord with the design and/or sound engineering principles which produce the minimum emission of contaminants.
3. The equipment shall operate concurrently with the thermal oxidizer under valid District permit C004497.
4. The maximum concentration of hydrogen chloride emitted shall be 1.0 mg/SCF.
5. Emissions measurements for VOC and hydrogen chloride shall be conducted in odd years. The testing protocol which shall be followed are those of document 97-675-215-07. No changes may be made to this protocol without the prior written approval of the APCO. Other measurements shall include but not be limited to destruction removal efficiency, moisture concentrations, temperature, flow rate and carbon dioxide concentrations.

6. The o/o shall notify the District a minimum of 10 days prior to compliance testing to allow staff to arrange schedules to observe the testing. Final test reports shall be delivered to the District not later than 45 days after the last day of on-site measurements and sampling, and not later than six weeks prior to the expiration date of this permit in each odd year.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

Z. SOLVENT VAPOR DEGREASER, DESCRIBED AS FOLLOWS:

SOLVENT VAPOR DEGREASER, MDAQMD permit number D005319, consisting of: Building 573, Small Arms Area; Forward Technology Industries, Model No. A1S-402024; Immersion sump tank volume: 140 gal; Boil tank volume: 30 – 40 gal.; Freeboard height: 30 in, width 28 in; Solvents: Isopropanol (IPA); IPA/cyclohexane mixture and acetone.

Conditions for unit with permit number: D005319.

1. This Vapor degreaser shall only use isopropanol (IPA), IPA / cyclohexane azeotrope mixture or acetone. District approval must be obtained before changing solvents.
2. The tank shall be equipped with a tight fitting cover.
3. The tank cover shall be closed at all times when the tank is not in use.

4. The tank must have a Freeboard Height of at least thirty (30) inches while the item(s) are submerged. The Freeboard Height is the distance from the top of the liquid to the top of the tank.
5. Parts shall be added or removed from the tank in a manner so as to prevent splashing.
6. Parts being removed from the tank must appear visually dry.
7. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the existing hoist must not exceed 30 feet per minute and any new or replacement hoist must not exceed 11.2 feet per minute.
8. An operator's log must be maintained which contains, as a minimum, the type of solvent in each tank, date and amount of solvent added, and a daily self-inspection checklist. The log shall be maintained on-site for at least five (5) years and made available to District, state or federal personnel upon request.
9. The degreaser shall only be operated and maintained in strict accord with District Rule 1104 and manufacturer's/supplier's recommendations and/or sound engineering principles.
10. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted above.

The technical submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted hereunder.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

AA. *The air permits associated with the below Authorities to Construct S008392 and C008397 have been processed and are being issued: (see Preliminary Decision was sent under separate cover, dated May 20, 2002. These Authorities to Construct will be issued on or about June 28, 2002):*

S008392 **PAINT AND UNDERCOAT FACILITY SPRAY BOOTH PERMIT CONDITIONS, DESCRIBED AS FOLLOWS; MDAQMD PERMIT # S008392:**

Spray Booth Permit to Operate Conditions; Spray Booth with Curing Oven Permit to Operate Conditions.

Spray Booth Permit to Operate Conditions
[One Spray Booth Application: 00006374]

1. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. *[This condition incorporates application details for enforceability purposes.]*

2. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles. *[This condition improves enforceability by incorporating good operational practices.]*

3. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in this booth unless prior written approval is obtained from the District. *[This condition makes an application commitment enforceable, increases the transfer efficiency of the coating operation, and ensures compliance with the 11xx series coating rules.]*

4. Coating or solvent use shall not occur within this booth without the booth being vented to the air pollution control system with valid District permit C008397. *[This condition enforces the relationship between the VOC source and control device, and ensures compliance with the 11xx series coating rules.]*

5. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116, and 1118 as appropriate. *[This condition ensures compliance with the 11xx series coating rules.]*

6. Discharge filters shall be installed/maintained in a tightly mounted and dimensionally stable condition, free of excessive deposits or interference with air flow passages. The pressure drop across the discharge filters shall be within the manufacturer's/designer's recommended range of 0.25 to 1 inches WC. *[This condition ensures that the droplet capture system is in working order.]*

7. The pressure drop across the discharge filters shall be taken and recorded in a log each day the booth is in operation. *[This condition ensures compliance on a daily basis for the droplet capture system.]*

8. The owner/operator (o/o) shall maintain current and on-site for a minimum of five (5)

years a daily operational log (for each day the equipment is in operation). This daily log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information:

a. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other);
b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
c. The method of application and type of substrate for each use;
d. Total VOC emissions in pounds per calendar day; and
e. Discharge filter pressure drop.

[This condition is being added to specify record keeping procedures for verification and general enforceability. Production records are required to establish compliance with the new emission limit.]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

Spray Booth with Curing Oven Permit to Operate Conditions

[Four Applications: 00006374]

1. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. *[This condition incorporates application details for enforceability purposes.]*

2. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles. *[This condition improves enforceability by incorporating good operational practices.]*

3. This paint-drying oven shall only process items which have been coated within one of the spray booths with valid District permits S008392, S008393, S008394, S008395, or S008396. *[This condition enforces the net reduction calculation for this permitting action.]*

4. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in the spray booth unless prior written approval is obtained from the District. *[This condition makes an application commitment enforceable, increases the transfer efficiency of the coating operation, and ensures compliance with the 11xx series coating rules.]*

5. Coating or solvent use shall not occur within this booth, and curing shall not occur within this curing oven, without the enclosure being vented to the air pollution control system with valid District permit C008397. *[This condition enforces the relationship between the VOC source and control device, and ensures compliance with the 11xx series coating rules.]*

6. Operations within this booth and curing oven shall comply with Rules 442, 1114, 1115, 1116, and 1118 as appropriate. *[This condition ensures compliance with the 11xx series coating rules.]*

7. Spray booth discharge filters shall be installed/maintained in a tightly mounted and dimensionally stable condition, free of excessive deposits or interference with air flow passages. The pressure drop across the discharge filters shall be within the manufacturer's/designer's recommended range of 0.25 to 1 inches WC. *[This condition ensures that the droplet capture system is in working order.]*

8. The pressure drop across the spray booth discharge filters shall be taken and recorded in a log each day the booth is in operation. *[This condition ensures compliance on a daily basis for the droplet capture system.]*

9. The owner/operator (o/o) shall maintain current and on-site for a minimum of five (5) years a daily operational log (for each day the equipment is in operation). This daily log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information:

   a. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other);
   b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
   c. The method of application and type of substrate for each use;
   d. Total VOC emissions in pounds per calendar day; and
   e. Spray booth discharge filter pressure drop.

   [This condition is being added to specify record keeping procedures for verification and general enforceability. Production records are required to establish compliance with the new emission limit.]

   [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
   [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
   [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

AB. *The air permits associated with the below Authorities to Construct S008392 and C008397 have been processed and are being issued: (see Preliminary Decision was sent under separate cover, dated May 20, 2002. These Authorities to Construct will be issued on or about June 28, 2002):*

C008397 **REGENERATIVE THERMAL OXIDIZER PERMIT CONDITIONS, DESCRIBED AS FOLLOWS; MDAQMD PERMIT # C008397:**

Regenerative Thermal Oxidizer Permit to Operate Conditions

[Application 00006373]

1. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. *[This condition incorporates application details for enforceability purposes.]*

2. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles. *[This condition improves enforceability by incorporating good operational practices.]*

3. The exhaust from the spray booths and curing ovens with valid District permits S008392, S008393, S008394, S008395, and S008396 shall be ducted to this device. *[This condition ensures that the VOC emissions are destroyed.]*

4. This equipment shall not emit to the atmosphere more than 3089 pounds of VOC per calendar year. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations. *[This condition verifies the netting calculation and establishes the PTE for the device.]*

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance with this condition shall be demonstrated on an annual basis with concentrator inlet and oxidizer outlet VOC source test data (in conjunction with initial capture efficiency source test results). *[This condition verifies BACT for this process.]*

6. The (owner/operator) o/o shall conduct annual compliance tests at the concentrator inlet and oxidizer outlet to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in

accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A or 25B, with USEPA Test Method 18 or CARB Method 422 used to determine exempt compound concentrations. Test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit. *[This condition verifies BACT for this process.]*

7. The o/o shall conduct an initial compliance test (as described in the USEPA technical document "Guidelines for Determining Capture Efficiency," (1/9/1995)) to establish capture efficiency in accordance with the MDAQMD Compliance Test Procedural Manual. This test shall be performed within 60 days of initial operation of the control device. *[This condition verifies BACT for this process.]*

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]

2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]

7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that "only" Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]

15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be

construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]

21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V
OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

OPERATING SCENARIO # 1
TITLE: National Security Emergency
DESCRIPTION:

In an effort to cover emissions generated at military facilities during national security situations, The Department of Defense (DoD) has suggested including a provision in the Title V permit application that would address such activities. The DoD defines this as a "National Security Emergency" provision and is based, in part, on the definition of "emergency" in the EPA's recent rule, *Determining Conformity of General Federal Actions to State or Federal Implementation Plans*, 40 CFR 93.152. The DoD's recommendation is that the Title V permit rule should also provide for a National Security Emergency provision in an appropriate manner.

The addition of a National Security Emergency provision is necessary in that DoD installations, unlike private industry, is at times called upon to increase the tempo of its operations, immediately and dramatically to support specifically designated national security missions or civilian emergencies. The absence of such an emergency provision could hinder the ability of local commanders to comply with Presidential directives in a timely manner. The time periods involved in revising permits under Title V render the use of either existing or proposed procedures unacceptable.

The DoD has proposed to the EPA to include a National Security Emergency Permit Provision as part of 40 CFR 70.6(b). MCLB Barstow is also proposing that such language be included in its Title V permit as follows:

(i) When a national security emergency occurs, the resulting surge conditions shall not be considered in determining compliance with permit terms.

(A) A "National Security Emergency" means a situation where extremely quick action, on the part of a Military Department or a Department of Defense component is needed, and when timing of such action may make it impracticable to meet one or more requirements of an applicable permit. National security emergencies are actions necessary to support operation of the United States forces introduced into hostilities or introduced into situations where involvement in hostilities is indicated or a possibility, peacekeeping operations, rendering emergency humanitarian relief, actions to extinguish wildfires, immediate responses to the

release or discharge of oil or hazardous material in accordance with approved Spill Preventions and Response Plans and Spill Contingency Plans, and responses to natural disasters such as hurricanes, earthquakes, or civil disturbances.

(B) A "surge condition" occurs when the temporary response to the National Security Emergency requires an increase above and beyond the normal operating levels of the installation or activity, and such increase cannot be accommodated within the terms of the applicable permit limitations.

(ii) The commander of the military installation or activity responding to a national security emergency shall determine when a National Security Emergency surge condition exists and shall provide notice of the surge condition to the appropriate state or local regulating authority, to the responsible regional office of the United States Environmental Protection Agency, and shall report such determination to the responsible Secretary of the Military Department or Head of the Department of Defense Component, in writing, within, five working days after the start of the surge conditions.

(iii) The commander of the military installation or activity shall make a determination that a National Security Emergency surge condition exists only after making reasonable efforts to accommodate the increase within allowable requirements and permit limits.

(iv) If the National Security Emergency surge condition extends beyond 30 calendar days from the date of the notice, the continued use of this national security emergency provision must be approved by the responsible Secretary of the Military Department or the Head of the Department of Defense Component.

(v) Within Ninety working days after the emergency surge condition has ended, the commander of the military installation or activity shall provide a written report to appropriate permitting authority, to the responsible regional office of the United States Environmental Protection Agency, and to the responsible Secretary of the Military Department or the Head of the Department of Defense Component, describing the amount of increased pollutants caused by the surge condition.

PART VI
CONVENTIONS, ABREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO_2 Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO_2 Emissions

B. Other conventions:

1. Unless otherwise noted, a "day" shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO_2	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute

gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH_3	ammonia
NMOC	non-methane organic compounds
NO_x	oxides of nitrogen
NO_2	nitrogen dioxide
O_2	oxygen
pH	pH (acidity measure of solution)
PM_{10}	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO_x	oxides of sulfur
SO_2	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

D. DEFINITIONS:

1. For the purposes of MDAQMD Rule 102 – *Definition of Terms*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 102 shall apply.

2. For the purposes of MDAQMD Rule 203 - *Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 203 shall apply.

3. For the purposes of MDAQMD Rule 204 - *Permit Conditions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 204 shall apply.

4. For the purposes of MDAQMD Rule 206 - *Posting of Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 206 shall apply.

5. For the purposes of MDAQMD Rule 207 - *Altering or Falsifying of Permit*, and its use in this Federal

Operating Permit, the definitions contained in MDAQMD Rule 207 shall apply.

6. For the purposes of MDAQMD Rule 209 - *Transfer and Voiding of Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 209 shall apply.

7. For the purposes of MDAQMD Rule 219 - *Equipment Not Requirement a Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 219 shall apply.

8. For the purposes of MDAQMD Rule 221 - *Federal Operating Permit Requirement*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 221 shall apply.

9. For the purposes of MDAQMD Rule 301 - *Permit Fees*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 301 shall apply.

10. For the purposes of MDAQMD Rule 312 - *Fees for Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 312 shall apply.

11. For the purposes of MDAQMD Rule 401 - *Visible Emissions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 401 shall apply.

12. For the purposes of MDAQMD Rule 402 - *Nuisance*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 402 shall apply.

13. For the purposes of MDAQMD Rule 403 - *Fugitive Dust*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403 shall apply.

14. For the purposes of MDAQMD Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403.2 shall apply.

15. For the purposes of MDAQMD Rule 404 - *Particulate Matter - Concentration*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 404 shall apply.

16. For the purposes of MDAQMD Rule 405 - *Solid Particulate Matter - Weight*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 405 shall apply.

17. For the purposes of MDAQMD Rule 406 - *Specific Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 406 shall apply.

18. For the purposes of MDAQMD Rule 407 - *Liquid and Gaseous Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 407 shall apply.

19. For the purposes of MDAQMD Rule 408 - *Circumvention*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 408 shall apply.

20. For the purposes of MDAQMD Rule 409 - *Combustion Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 409 shall apply.

21. For the purposes of MDAQMD Rule 430 - *Breakdown Provisions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 430 shall apply.

22. For the purposes of MDAQMD Rule 431 - *Sulfur Content of Fuels*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 431 shall apply.

23. For the purposes of MDAQMD Rule 432 - *Gasoline Specifications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 432 shall apply.

24. For the purposes of MDAQMD Rule 442 - *Usage of Solvents*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 442 shall apply.

25. For the purposes of MDAQMD Rule 461 - *Gasoline Transfer and Dispensing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 461 shall apply.

26. For the purposes of MDAQMD Rule 462 - *Organic Liquid Loading*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 462 shall apply.

27. For the purposes of MDAQMD Rule 463 - *Storage of Organic Liquids,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 463 shall apply.

28. For the purposes of MDAQMD Rule 501 - *General*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 501 shall apply.

29. For the purposes of MDAQMD Rule 502 - *Filing Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 502 shall apply.

30. For the purposes of MDAQMD Rule 503 - *Contents of Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 503 shall apply.

31. For the purposes of MDAQMD Rule 504 - *Petitions for Variances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 504 shall apply.

32. For the purposes of MDAQMD Rule 505 - *Appeal from Denial*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 505 shall apply.

33. For the purposes of MDAQMD Rule 506 - *Failure to Comply with Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 506 shall apply.

34. For the purposes of MDAQMD Rule 507 - *Pleadings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 507 shall apply.

35. For the purposes of MDAQMD Rule 508 - *Dismissal of Petition*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 508 shall apply.

36. For the purposes of MDAQMD Rule 509 - *Place of Hearing*, and its use in this Federal Operating Permit,

the definitions contained in MDAQMD Rule 509 shall apply.

37. For the purposes of MDAQMD Rule 510- *Notice of Hearing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 510 shall apply.

38. For the purposes of MDAQMD Rule 511 - *Evidence*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 511 shall apply.

39. For the purposes of MDAQMD Rule 512 - *Preliminary Matters*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 512 shall apply.

40. For the purposes of MDAQMD Rule 513 - O*fficial Notice*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 513 shall apply.

41. For the purposes of MDAQMD Rule 514 - *Continuances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 514 shall apply.

42. For the purposes of MDAQMD Rule 515 - *Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 515 shall apply.

43. For the purposes of MDAQMD Rule 516 - *Effective Date of Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 516 shall apply.

44. For the purposes of MDAQMD Rule 517 - *Lack of Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 517 shall apply.

45. For the purposes of MDAQMD Rule 518 - *Findings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 518 shall apply.

46. For the purposes of MDAQMD Rule 1104 - *Organic Solvent Degreasing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1104 shall apply.

47. For the purposes of MDAQMD Rule 1113 - *Architectural Coatings Rule,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1113 shall apply.

48. For the purposes of MDAQMD Rule 1114 - *Wood Products Coatings Rule,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1114 shall apply.

49. For the purposes of MDAQMD Rule 1115 - *Metal Parts & Products Coating Operations,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1115 shall apply.

50. For the purposes of MDAQMD Rule 1116 - *Automotive Refinishing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1116 shall apply.

51. For the purposes of MDAQMD Rule 1118 - *Aerospace Vehicle Parts and Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1118 shall apply.

52. For the purposes of MDAQMD Rule 1157 - *Boilers and Process Heaters,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1157 shall apply

53. For the purposes of MDAQMD Rule 1159 - *Stationary Gas Turbines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1159 shall apply.

54. For the purposes of MDAQMD Rule 1160 - *Internal Combustion Engines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1160 shall apply.

55. For the purposes of MDAQMD Rule 1200 - *General,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1200 shall apply.

56. For the purposes of MDAQMD Rule 1201 - *Definitions,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1201 shall apply.

57. For the purposes of MDAQMD Rule 1202 - *Applications,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1202 shall apply.

58. For the purposes of MDAQMD Rule 1203 - *Federal Operating Permits,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1203 shall apply.

59. For the purposes of MDAQMD Rule 1204 - *Reserved, "General Permits",* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1204 shall apply.

60. For the purposes of MDAQMD Rule 1205 - *Modifications of Federal Operation Permits,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1205 shall apply.

61. For the purposes of MDAQMD Rule 1206 - *Reopening, Reissuance and Termination of Federal Operating Permits,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1206 shall apply.

62. For the purposes of MDAQMD Rule 1207 - *Notice and Comment,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1207 shall apply.

63. For the purposes of MDAQMD Rule 1208 - *Certification,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1208 shall apply.

64. For the purposes of MDAQMD Rule 1209 - *Appeals,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1209 shall apply.

65. For the purposes of MDAQMD Rule 1210 - *Acid Rain Provisions of Federal Operating Permits,* and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1210 shall apply.